(PHYSICO-CHEMICAL CONSTANTS.)

MELTING AND BOILING POINT TABLES.

BY

THOMAS CARNELLEY, D.Sc. (Lond.), B.Sc. (Vict.), F.C.S., F.I.C.,

PROFESSOR OF CHEMISTRY IN UNIVERSITY COLLEGE, DUNDEE.

VOL. II.

LONDON:

PUBLISHED BY HARRISON AND SONS, 59, PALL MALL,

Booksellers to the Queen and H.R.H. the Prince of Wales.

1887.

LONDON:
HARRISON AND SONS, PRINTERS IN ORDINARY TO HER MAJESTY,
ST. MARTIN'S LANE.

PREFACE.

The issue of this second volume of Melting and Boiling Point Tables completes a labour of ten years. It contains more than 32,000 melting and boiling point data, which, with those given in the first volume, make a total of over 51,000.

For the data published by Regnault in the *Mémoires de l'Académie*, in reference to the vapour tension of substances at different temperatures, and for Brock's tables calculated from Regnault's results, I am indebted to Landolt and Börnstein's excellent "Physikalisch-Chemische Tabellen."

The alphabetical index of Root-Carbon Compounds contains not only those for which the melting and boiling point data are known, but also others, in order to render the index more complete for all root-carbon compounds; for these, and for the idea of such an index, I must acknowledge my indebtedness to Richter's admirable "Tabellen der Kohlenstoff-Verbindungen."

The paging of Volume II. has been made continuous with that of Volume I., in order that the two may be bound together if desired.

The portion of Part II. contained in the present volume brings the data down to the Autumn of 1885, while Part III. brings the data down to near the end of 1886.

THOS. CARNELLEY.

University College, Dundee.

June, 1887.

TABLE OF CONTENTS OF VOL. II.

MELTING AND BOILING POINT TABLES.

PART II (*continued*).

Organic Compounds.

PART II (*continued*).

Organic Compounds.

PART II (*continued*).

Organic Compounds.

PART III.

The following abbreviations are in addition to those given in Volume I. :—

n. = *normal.*
n.c. = *non-condensable.*
n.d. = *non-decomposable.*

A.J. *American Journal of Pharmacy.*
B.r. *Referate der Berichte der Deutschen Chemischen Gesellschaft zu Berlin.*

VIII

III.—COMPOUNDS CONTAINING FOUR ELEMENTS.

(1.) CHFO.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetone hydrofluoride	$C_3H_6O.HF$	C_3H_7FO	55	....	Landolf	C. R., 96, 580	**44**, 655
„ dihydrofluoride	$C_3H_6O.2HF$	$C_3H_8F_2O$	—15 to —12	....	„	„	„
Difluobenzoic acid	$C_6H_3F_2.COOH$	$C_7H_4F_2O_2$	....	232 u. c.	Jackson & Hartshorn	B., 18, 1993	**48**, 1224
Benzoyl fluoride	$C_6H_5.CO.F$	C_7H_5FO	161·5 (745)	....	Borodine	A., 126, 60	ii., 671
Fluobenzoic acid	$C_6H_4F.COOH$=1.2	$C_7H_5FO_2$	....	117–118	Paternò & Oliveri	G. I. [1882], 85	**42**, 614
„ „	„ =1.3	„	....	*123*	Paternò	G. I., 11, 90	**40**, 598
„ „	„ „	„	....	123–124	Paternò & Oliveri	G. I. [1882], 85	**42**, 614
„ „	„ =1.4	„	....	180–181	„	„	„
„ „	„ „	„	....	*182*	„	G. I., 11, 90	**40**, 598
„ „	„ „	„	....	182	Schmitt & Gehren	J. p. [2], 1, 394	**24**, 368
Methylic fluobenzoate	$C_6H_4F.COOMe$=1.3	$C_8H_7FO_2$	192–194	Liquid	Paternò	G. I., 11, 90	**40**, 598
„ „	„ „	„	192–194	Liquid	Paternò & Oliveri	G. I. [1882], 85	**42**, 614
Fluotoluic acid	$C_6H_3.Me.F.COOH$= ?	„	....	160–161	„	„	„
Fluoanisic acid	$C_6H_3.OMe.F.COOH$=1.?.4	$C_8H_7FO_3$	....	204	„	„	**42**, 615
Ethylic fluobenzoate....	$C_6H_4F.COOEt$=1.4	$C_9H_9FO_2$	cf. G. I. 11,90	Cryst.	Schmitt & Gehren	J. p. [2], 1, 400	vii., 164

(2.) CHClBr and CHClI.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlorobromoform	....	$CHClBr_2$	121–125	....	Dyson	43, 46	
„	....	„	*123–125 s. d.*	Liquid	Jacobsen and Neumeister	B., 15, 601	**42**, 938
Bromochloroform	....	$CHCl_2Br$	91–92	Liquid	„	„	„
α-Chlordibromethylene	$CHBr : CBrCl$	C_2HClBr_2	141–142 (734)	l.—20	Denzel	B., 11, 1741	**36**, 213
α-Chlortetrabromethane	$CHBr_2.CBr_2Cl$	C_2HClBr_4	*200–205* (285)	*32–33*	„	B., 11, 1739	„
α- „	„	„	240 (735)	....	„	A., 195, 210	**36**, 369
α- „	„	„	....	33	Mabery	A. C. J., 5, 255	**46**, 663
α- „	„	„	....	32–33	Wallach & Bischof	....	**46**, 663
Dichlorbromethylene	....	C_2HCl_2Br	110–115	....	....	A., 216, 261	
„	....	„	114–116	Liquid	Henry	C. R., 98, 370	**46**, 979
α- „	$CHBr : CCl_2$	„	*114–116* (740)	l.—20	Denzel	B., 11, 1741	**36**, 214
α-Dichlortribromethane	$CHBr_2.CBrCl_2$	$C_2HCl_2Br_3$	215–220	l.—20	„	B., 11, 1740	**36**, 213
Trichlordibromethane	....	$C_2HCl_3Br_2$	200 (760) p.d.	....	Paternò	G. I., 1, 590	vii., 308
„	....	„	93–95 (14)	....	„	„	„
α-Chlorbromethylene	$CH_2 : CClBr$	C_2H_2ClBr	55–58	....	Müller	As., 3, 287	
„	„	„	*62–63* (*750*)	Liquid	Denzel	B., 11, 1740; A., 195, 206	**36**, 213
„	„	„	62–63	....	Henry	C. R., 97, 1491	**46**, 571
„	„	„	63	Liquid	„	C. R., 98, 680	**46**, 830
„	„	„	62	....	Müller	[1864]	
β- „	$CHCl : CHBr$	„	80–83	....	....	A., 216, 258	
„	„	„	*81–82*	Liquid	Plimpton	41, 394	
„	„	„	81–82	....	Henry	C. R., 98, 741	**46**, 831
?	....	$(C_2H_2ClBr)_n$	140	Solid	Demole and Dürr	B., 11, 1304	**34**, 846
α-Chlortribromethane	$CH_2Br.CBr_2Cl$	$C_2H_2ClBr_3$	*200–201* (735) *p. d.*	l.—20	Denzel	B., 11, 1735	**36**, 213, 369
„	„	„	170–171 (335)	....	„	A., 195, 210	„
„	„	„	165–167 (285)	....	„	„	„
α-Dichlordibromethane	$CH_2Br.CBrCl_2$	$C_2H_2Cl_2Br_2$	176–178	l.—20	„	B., 11, 1740	**36**, 213
β- „ ...	$CHClBr.CHClBr$	„	195–200	....	....	A., 216, 257, 262	
Trichlorbromethane	$CCl_3.CH_2Br$	$C_2H_2Cl_3Br$	151–153	Liquid	Henry	C. R., 98, 370	**46**, 978
α-Chlordibromethane	$CH_3.CClBr_2$	$C_2H_3ClBr_2$	*123–124* (753)	l.—20	Denzel	B., 11, 1739	**36**, 213
„	„	„	124	....	„	A., 195, 210	**36**, 369

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-Chlordibromethane	$CH_2Br.CHClBr$	$C_2H_3ClBr_2$	162·5–163	l.—20	Denzel	B., 11, 1739	**36**, 213
α-Dichlorbromethane	$CH_3.CCl_2Br$	$C_2H_3Cl_2Br$	*98–99* (758)	l.—20	”	B., 11, 1740	”
β- ”	$CH_2Br.CHCl_2$ (?)	”	137	....	Lescœur	B. S. [2], 29, 483	**34**, 718
”	”	”	137–138	....	Henry	C. R., 97, 1491	**46**, 571
”	”	”	138	....	”	C. R., 98, 370	**46**, 979
γ- ”	$CHClBr.CH_2Cl$	”	*139–140 c.*	....	Perkin	45, 535	
?- ”	....	”	151	....	Lescœur	B. S. [2], 29, 483	**34**, 718
”	....	” (?)	158–162	....	”	”	”
Ethylidene chlorobromide	$CH_3.CHClBr$	C_2H_4ClBr	81–82	....	Reboul	A., 155, 215	vii., 489
” ”	”	”	84·5 (765)	l.—19	Lescœur	B. S. [2], 29, 483	**34**, 718
” ”	”	”	*84–84·5* (750)	l.—20	Denzel	B., 11, 1739	**36**, 213
” ”	”	”	85	....	”	A., 195, 210	**36**, 368
” ”	”	”	85	....	Plimpton	41, 397	
Ethylene chlorobromide	$CH_2Cl.CH_2Br$	”	105	....	Denzel	A., 195, 210	**36**, 369
” ”	”	”	106–107	....	James	35, 806	
” ”	”	”	106–108	....	”	47, 366	
” ”	”	”	108	....	Henry	C. R., 98, 370	**46**, 979
” ”	”	”	*107–108*	....	”	A., 156, 16.	
” ”	”	”	107–109	....	Demole	B., 9, 556	**30**, 283
” ”	”	”	108	....	Plimpton	41, 397	
” ”	”	”	104–108	Liquid	Lescœur	B. S. [2], 29, 484	**34**, 718
” ”	”	”	107–109	....	James	43, 37	
” ”	”	”	108–110	....	Simpson	P. R. S., 20, 118	**38**, 456
?	....	C_3HClBr_2 (?)	a. 150	....	Pinner	B., 8, 1324	**29**, 554
Dichlorbromallylene....	....	C_3HCl_2Br	143	....	”	B., 5, 205	**25**, 495
”	....	”	143	....	”	A., 179, 45	**29**, 549
Dichlortribrom propylene	....	$C_3HCl_2Br_3$	....	207	”	”	”
?	....	C_3H_2ClBr	100–110	....	”	B., 8, 1325	**29**, 554
Dichlordibrom propylene	....	$C_3H_2Cl_2Br_2$	190 p. d.	....	Krämer and Pinner	A., 158, 37	**24**, 558
Dichlorbrom propylene	Cf. C_3HCl_2Br	$C_3H_3Cl_2Br$	143	....	Pinner	A., 179, 45	
Dichlortribrompropane	Cf. $C_3HCl_2Br_3$	$C_3H_3Cl_2Br_3$	....	207	”	”	
Chlorbrompropylene	....	C_3H_4ClBr	105	....	....	A. 112, 237	
”	$CH_3.CCl:CHBr$ or $CH_2:CCl.CH_2Br$.	”	100–110	....	Friedel	A. C. [4], 16, 343	vii., 1019
α-Bromallyl chloride....	$CH_2:CBr.CH_2Cl$	”	120	Liquid	Henry	B., 5, 186, 482	vii., 50; **25**, 686
α-Chlorallyl bromide	$CH_2.CCl.CH_2Br$	”	121	....	”	C. R., 95, 849	**44**, 173
Chlorbromglycide	$CHCl:CH.CH_2Br$	”	126	....	....	As., 6, 375	ii., 899
”	....	”	*126–127*	....	Reboul	As., 1, 230	vii., 1020
Chlortribrompropane	....	$C_3H_4ClBr_3$	238 p. d.	....	”	As., 1, 231	ii., 899
Allylenedichlordibromide	....	$C_3H_4Cl_2Br_2$	190	....	....	J. [1872], 323; A., 179, 44	
Dichlordibrompropane	$CH_2Br.CClBr.CH_2Cl$	”	200–205	....	Friedel and Silva	C. R., 74, 955	**24**, 1190
”	”	”	205	....	”	C. R., 73, 958	vii., 1020
”	”	”	*205*	....	”	C. R., 75, 81	**25**, 805
”	$CH_2Cl.CBr_2.CH_2Cl$	”	*212*	....	Hartenstein	J. p. [2], 7, 313	**26**, 1218
”	....	”	220–221	....	Reboul	As., 1, 231	ii., 899
”	....	”	220–225	....	Friedel and Silva	C. R., 75, 81	**25**, 805
Chlordibrompropane....	$CH_3.CClBr.CH_2Br$	$C_3H_5ClBr_2$	169–170	....	Reboul	A. C. [5], 14, 453	**36**, 128
”	”	”	*169–170 c.*	....	”	C. R., 82, 377	**29**, 894
”	”	”	170	....	Friedel	A., 112, 236	vi., 968
”	”	”	170–175	....	”	A. C. [4], 16, 343	vii., 1019
”	$CH_3.CHBr.CHClBr$	”	*177–177·5 c.*	....	Reboul	C. R., 82, 377	**29**, 894
”	”	”	177–177·5	....	”	A. C. [5], 14, 453	**36**, 128
”	....	”	195	....	Oppenheim	J. [1867], 569	vi., 968
”	....	”	197–199	....	Simpson	P. R. S., 27, 118	**38**, 456
”	(Bromallylchlorbromide)	”	197–200	....	....	B. S., 31, 410	
”	$CH_2Cl.CHBr\ CH_2Br$	”	195–200	....	Darmstädter	A., 153, 319	vi., 433
”	”	”	abt. 200	....	....	J. [1857], 476	i., 894
”	”	”	202	....	....	....	i., 898
”	....	”	202–203	....	Reboul	J., 13, 461	
”	....	” (?)	200–205	....	Friedel and Silva	C. R., 84, 955	**24**, 1190
Dichlorbrompropane ...	....	$C_3H_5Cl_2Br$	156–160	....	....	A., 138, 123	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dichlorbrompropane	....	$C_3H_5Cl_2Br$	abt. 176	....	....	J. [1857], 477	i., 894
"	....	"	180–187	....	Simpson	P. R. S., 27, 118	**38**, 456
α-Chlorbrompropane....	Me.CClBr.Me	C_3H_6ClBr	*93–95·5*(745)	....	Reboul	B., 7, 1037	**27**, 977
α- "	"	"	93	....	"	A. C. [5], 14, 453	**36**, 128
α- "	"	"	93–93·5(745)	....	"	A. C. [5], 14, 482	**36**, 131
β- "	Me.CH_2.CHClBr	"	112–113	....	Sawitsch	C. R., 52, 399	vii., 1018
β- "	"	"	112–113	....	Reboul	A., 155, 216	
β- "	"	"	abt. 110	....	"	C. R., 78, 1775	**27**, 977
β- "	"	"	abt. 110	....	"	A. C. [5], 14, 453	**36**, 128
β- "	"	"	*110–112*	....	"	A. C. [5], 14, 487	**36**, 131
γ- "	Me.CHBr.CH_2Cl	"	120	....	"	B., 7, 1037	vii., 1019
γ- "	"	"	121	....	"	A. C. [5], 14, 453	**36**, 128
γ- "	Me.CHCl.CH_2Br	"	119–121	Liquid	Friedel and Silva	B. S. [2], 17, 532	**25**, 890
γ- "	"	"	118–120	....	Simpson	P. R. S., 27, 118	**38**, 456
δ- "	CH_2Cl.CH_2.CH_2Br	"	*140–141*(746)	....	Reboul	C. R., 78, 1773	**27**, 976
δ- "	"	"	140–142(746)	....	"	A. C. [5], 14, 487	**36**, 132
?	$C_5H_8Cl_2Br_2$	$C_5H_6Cl_2Br_2$(?)	232–236	....	Pinner	B., 8, 1326	**29**, 554
Dichloramylene dibromide	....	$C_5H_8Cl_2Br_2$	230–240	....	....	A., 179, 37	
Methylchlordibrompropyl-carbinyl chloride	CHMeBr.CClBr.CHMeCl	"	140–145 (31)	....	Thurnlackh	A., 223, 149	**46**, 1118
Dichlortribrombenzene	$Cl_2.Br_3$=1.3.2.4.6	$C_6HCl_2Br_3$	....	121	Langer	B., 15, 1332	
Trichlordibrombenzene	$Br_2.Cl_3$= "	$C_6HCl_3Br_2$	....	149	"	B., 15, 1330	**42**, 1058
"	" = ?	"	....	119	....	A., 215, 119	
Chlortribrombenezene	Br_3.Cl=1.3.5.6	$C_6H_2ClBr_3$	....	*80*	Silberstein	J. p., 27, 116	**44**, 661
"	" "	"	....	82	Langer	B., 15, 1065	**42**, 954
Chlorbrombenzene	Cl.Br=1.4	C_6H_4ClBr	196·3(756·12)	67·4	Körner	G. I., 4, 305	**29**, 215
"	" =1.3	"	196	....	"	"	**29**, 220
Chlordiallyltetrabromide	....	$C_6H_9ClBr_4$	....	Liquid	Henry	C. R., 87, 171	**36**, 34
Chlorhexylene dibromide	....	$C_6H_{11}ClBr_2$	218–220	....	Destrem	B., 16, 229	
Chlorbenzyl bromide	C_6H_4.Cl.(CH_2Br)=1.4	C_7H_6ClBr	....	*48·5*	Jackson and Field	B., 11, 905	**36**, 62
" "	" "	"	....	48·5	"	A. C. J., 2, 85; 3, 252	**40**, 806
" "	" "	"	....	48·5	Jackson and White	B. 13, 1217	**38**, 879
Cinnyl chlordibromide	Ph.$C_3H_4Br_2$Cl	$C_9H_9ClBr_2$	....	96·5	Grimaux	C. R., 76, 1598	**26**, 1139
α-Trichlordibromnaphthalene	....	$C_{10}H_3Cl_3Br_2$	....	166	....	....	iv., 13
α-Dichlordibromnaphthalene	....	$C_{10}H_4Cl_2Br_2$	....	170	....	....	"
β- "	....	"	....	166	....	....	"
Dichlorbromnaphthalene	....	$C_{10}H_5Cl_2Br$	....	80	Beilstein	Org. Chem. 1205	iv., 11
Chlordibromnaphthalene tetrachloride	....	$C_{10}H_5Cl_5Br_2$	....	150	"	Org. Chem. 1206	iv., 10
Chlorbromnaphthalene	α_1; α_2	$C_{10}H_6ClBr$	....	115	....	B. S., 26, 540	
Chlorbromnaphthalene tetrabromide	....	$C_{10}H_6ClBr_5$	....	110	Beilstein	Org. Chem. 1205	
Dichlornaphthalene tetrabromide	....	$C_{10}H_6Cl_2Br_4$	....	a. 100+	"	Org. Chem. 1206	iv., 10
Dibromnaphthalene tetrachloride	....	$C_{10}H_6Cl_4Br_2$	....	abt. 155	"	"	"
Bromnaphthalene dichloride	....	$C_{10}H_7Cl_2Br$	....	165	Gerhardt	....	iv., 8
Trichlorbromisocymene	Me.Pr$^\beta$.Cl_3.Br.=1.3.(?)$_4$	$C_{10}H_{10}Cl_3Br$	....	65	Kelbe	B., 16, 619	
Dichlordibromanthracene ...	....	$C_{14}H_6Cl_2Br_2$	....	251–252	Schwarzer	B., 10, 377	**32**, 493
Dichlorbromanthracene	....	$C_{14}H_7Cl_2Br$	....	168	"	"	"
Di(bromphenyl)dichlorethylene	CCl_2 : C(C_6H_4Br)$_2$	$C_{14}H_8Cl_2Br_2$	....	119–120	Zeidler	B., 7, 1180	**28**, 148
Dichloranthracene tetrabromide	....	$C_{14}H_8Cl_2Br_4$	....	166	Schwarzer	B., 10, 376	**32**, 493
Di(bromphenyl)-trichlorethane	CCl_3.CH(C_6H_4Br)$_2$	$C_{14}H_9Cl_3Br_2$	....	139–141	Zeidler	B., 7, 1180	**28**, 148
Di(bromtolyl)trichlorethane	CCl_3.CH(C_6H_3BrMe)$_2$	$C_{16}H_{13}Cl_3Br_2$	....	148	Fischer	B., 7, 1192	**28**, 154
α-Tetrachlortribromdinaphthyl	$C_{10}H_4Cl_2Br_2$.$C_{10}H_5Cl_2$Br	$C_{20}H_9Cl_4Br_3$	....	74–76	Faust and Saame	A., 160, 69	vi., 846; **25**, 65
β- "	....	"	....	71–73	"	A., 160, 71	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Iodochloroform	....	$CHCl_2I$	131	Liquid	....	A., 22, 229; 126, 239	i., 913
Methylene chloriodide	....	CH_2ClI	*109–109·5* (760·4)	Liquid	Sakurai	47, 198	
" "	....	"	129	....	"	41, 362	
Chloriodoethylene	$CH_2:CClI$	C_2H_2ClI	101–102	....	Henry	C. R., 98, 518	**46**, 719
"	"	"	*100–101* (759) p.d.	Liquid	"	C. R., 98, 680	**46**, 831
"	$CHCl:CHI$	"	114–116	....	....	A., 216, 263	
"	"	"	*119c.*	Liquid	Plimpton	B., 16, 79	**41**, 392
"	"	"	119	...	Henry	C. R., 98, 741	**46**, 831
Dichloriodoethane	....	$C_2H_3Cl_2I$	171–172 s. d. (774)	Liquid	"	C. R., 98, 518	**46**, 719
Ethylidene chloriodide	$CH_3.CHClI$	C_2H_4ClI	*117–119*	....	Simpson	P. R. S., 27, 118	**38**, 456
" "	"	"	118	....	Plimpton	41, 397	
Ethylene chloriodide	$CH_2Cl.CH_2I$	"	137–138	....	Meyer and Wurster	B., 6, 964	
		"	140–143	....	Simpson	....	**37**, 180
" "	"	"	*140·1 (759·3)*	s. f. m.	Thorpe	37, 180	
" "	"	"	146 (753)	....	"	"	
" "	"	"	141	....	Plimpton	41, 397	
" "	"	"	141	....	Plimpton & Graves	"	
" "	"	"	145	....	Simpson	J., 16, 485	
" "	"	"	146	....	Maumené	J., 22, 345	
" "	"	"	147	....	Simpson	P. R. S., 11, 390	ii., 579
a-Chlorallyliodide	....	C_3H_4ClI	150 (760)	....	Romburgh	R. T., 1, 233	**44**, 449
"	....	"	92–95 (40)	....	"	B., 16, 393	
β- "	$CHCl:CH.CH_2I$	"	162 p. d. (760·4)	....	"	B., 16, 392	
Dichloriodopropane	....	$C_3H_5Cl_2I$	*205*	Liquid	Henry	B., 4, 702	**24**, 907; **vii.**, 320
"	....	"	205–210	....	Simpson	P. R. S., 13, 540	**vi.**, 92
Chloriodopropane	$CH_3.CClI.CH_3$	C_3H_6ClI	110–130 (10)	....	Oppenheim	As., 6, 360	**vi.**, 826, 968
"	$CH_3.CHCl.CH_2I$	"	149 (760)	....	Friedel and Silva	B. S. [2], 17, 536	**vii**, 1019
"	"	"	40–43(10–12)	....	"	"	"
Chloriodobenzene	$C_6H_4.Cl.I=1.2$	C_5H_4ClI	a. 233	Liquid	Körner	G. I., 4, 305	**29**, 215
"	" "	"	*229–230*	Liquid	Beilstein and Kurbatow	B., 7, 1395	**28**, 364
"	" =1.4	"	*226–227*	*56–57*	"	B., 7, 1395	**28**, 363
"	" "	"	227·6(751·26)	Solid	Körner	G. I., 4, 305	**29**, 215
a-Chloriodotoluene	... .	C_7H_6ClI	242–243	l. —14	Wroblewsky	A., 168, 211, Z. C. [2], 6, 164	**27**, 55; **vii.**, 1166
β- "		"	240	s. 10	"	"	"
?- "	Me.I.Cl=1.2.?	"	240	?	Beilstein and Kühlberg	Z. C. [2], 6, 102	**vii.**, 1177

(3.) CHClO.

Trichloracetaldehyde (chloral)	$CCl_3.COH$	C_2HCl_3O	94	....	Liebig	A., 1, 195	**37**, 191
" "	"	"	944	....	"	....	i., 881
" "	"	"	....	—75	Berthelot	G. J. C., 1878	
" "	"	"	95–100	....	Detsenyl	C. C., 1873, 767	**27**, 572
" "	"	"	96–97 (750)	....	Brühl	G. J. C., 1880	
" "	"	"	96·4 c. (760)	....	Thorpe	37, 191	
" "	"	"	97·2 c. (760)	....	"	"	
" "	"	"	97·73 c. (760)	....	Passavant	....	**39**, 55
" "	"	"	98·1–99 (745·9)	....	Kopp	A.	**37**, 191
" "	"	"	98·6	....	"	....	i., 881
Dichloracetyl chloride	$CHCl_2.CO.Cl$	"	108	....	Bogomoletz	B. S. [2], 34, 330	**40**, 401
" "	"	"	*107–108*	Liquid	Otto and Beckurts	B., 14, 1618	**40**, 1030

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Parachloralide	....	C_2HCl_3O	182	....	Cloez	....	iv., 341
Trichloracetic acid	$CCl_3.COOH$	$C_2HCl_3O_2$	a. 180	....	Henry	B., 12, 1846	
" "	"	"	194–195	Solid	Tommasi & Meldola	....	**27**, 314
" "	"	"	195	44·8	Judson	Z. C. [2], 7, 40	vii., 9
" "	"	"	195	44·8	Clermont	C. R., 83, 112	**24**, 812
" "	"	"	....	45	....	J. p. [2], 27, 16	
" "	"	"	195–200	46	Dumas	A., 32, 109	i., 878
" "	"	"	....	46·5	Richter	Tabellen	
" "	"	"	....	52	Beckurts and Otto	B., 14, 588	
" "	"	"	*195*	*52·4*	Clermont	A. C. [5], 2, 401	**27**, 1154
Chloracetyl chloride	$CH_2Cl.CO.Cl$	$C_2H_2Cl_2O$	105	....	Wurtz	A., 102, 96	vi., 22
" "	"	"	*105–107*	....	Bogomoletz	B. S. [2], 34, 330	**40**, 401
" "	"	"	107–108	....	Henry	C. R., 100, 114	**48**, 372
Dichloracetaldehyde	$CHCl_2.COH$	"	*89–90*	....	Paternò	G. S. P., 5, 123	vi., 76
"	"	"	88–90	....	Paternò and Pisati	G. I., 1, 461	**24**, 1190
Paradichloracetaldehyde	....	$(C_2H_2Cl_2O)_n$	....	129–130	Jacobsen	B., 8, 87	**28**, 631
Metadichloracetaldehyde	....	"	....	n.f. 200	Friedrich	A., 206, 253	**40**, 407
Dichloracetic acid	$CHCl_2.COOH$	$C_2H_2Cl_2O_2$	*189–191*	*s. 0*	Wallach	B., 9, 1212	**31**, 59
" "	"	"	195	....	Maumené	J., 17, 316	vi., 19
Chlorethylene oxide	$CHCl.CH_2.O$	C_2H_3ClO	89–92	....	....	A., 216, 269	
Chloracetaldehyde	$CH_2Cl.COH$	"	85·5 c. (738)	43–45	Richter	R. K. T.	
"	"	"	....	65–75	"	"	
" (polymer)	$(CH_2Cl.COH)_n$	"	....	87–87·5 c.	Natterer	M. C., 3, 461	**42**, 1046
Acetyl chloride	$CH_3.CO.Cl$	"	50·9 (746·1)	....	Thorpe	....	**37**, 188
" "	"	"	*50·93* (746·3)	....	"	....	"
" "	"	"	55	....	Gerhardt	J., 5, 444	i., 35
" "	"	"	53·5–55	....	Schall	B., 17, 2204	
" "	"	"	51–52 (720)	....	Brühl	G. J. C., 1880	
" "	"	"	55	....	Gal	A. C. [3], 66, 187	vi., 23
" "	"	"	55–56	....	Kopp	A., 95, 208	**37**, 188
" "	"	"	55–56	....	Perkin	41, 269	
Chlormethylic formate	$H.COO.CH_2Cl$	$C_2H_3ClO_2$	abt. 100	....	Henry	B., 6, 742	vii., 807
Methylic chlorocarbonate	$Cl.COOCH_3$	"	66·5–67·5	....	Meyer and Wurster	B., 6, 965	
" "	"	"	71·4	....	Röse	A., 205, 229	**40**, 252
" "	"	"	*71–71·5* (750)	....	Klepl	J. p., 26, 447	**44**, 311
Chloracetic acid	$CH_2Cl.COOH$	"	180	....	Geuther	A., 132, 171	vi., 22
" "	"	"	*185–187·5* (755·7)	s. 62	Hofmann	J., 10, 348	i., 876
" "	"	"	180–187	....	Hentschel	B., 17, 1286	**46**, 990
" "	"	"	*183·9* (*747*)	*62–64·5*	Tollens	B., 17, 665	"
" "	"	"	....	a. f. 53–54	"	"	"
" "	"	"	187	....	Gal	A. C. [3], 66, 187	vi., 23
" "	"	"	185	....	"	G. J. C., 1862	
" "	"	"	187	61	Conrad & Guthzeit	B., 15, 606	**42**, 946
" "	"	"	188	....	Cahours	G. J. C., 1863	
" "	"	"	....	62	Brühl	G. J. C., 1880	
Trichlorethylalcohol	$CCl_3.CH_2.OH$	$C_2H_3Cl_3O$	151 (737)	17·8	Thurnlackh	A., 210, 67	**42**, 295
"	"	"	150–152	s. f. m.	Mering	B., 15, 1020	
Trichlormethyl oxide	....	"	abt. 130	....	Regnault	A. C. [2], 71, 401	
Chloral hydrate	$CCl_3.CH(OH)_2$	$C_2H_3Cl_3O_2$	95	....	Martius & Bartholdy	B., 3, 443	vii., 313
" "	"	"	97	....	Personne	C. R., 69, 1363	"
" "	"	"	97	....	Jungfleisch, Lebaigne, & Roucher	J. Ph. [4], 208	"
" "	"	"	97·5	49–53	Flückiger	Z. C., 6, 432	"
" "	"	"	99	50–51	Jacobsen	A., 157, 243	**24**, 257
" "	"	"	95	....	Martius and Mendelssohn	G. J. C., 1870 ; Z. C.	
" "	"	"	95	....	Henry	B., 4, 101	**24**, 256
" "	"	"	....	58	Ger. Pharm., 1882		
" "	"	"	*97·5*	*57*	Meyer and Dulk	B., 6, 449	**26**, 878
" "	"	"	....	57	Friedrich	A., 206, 251	**40**, 407

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chloral hydrate	$CCl_3.CH(OH)_2$	$C_2H_3Cl_3O_2$	115 (755)	s. 40·2	Thomsen	Z. C., 13, 156	vi., 432
„ „	„	„	145	56	Roussin	Z. C., 13, 96	
„ „	„	„	145	50	Personne	Z. C., 13, 172	
Isochloral hydrate	....	„	....	*80*	Meyer and Dulk	A., 171, 74	**27**, 461
„ „	....	„	....	80	Meyer	B., 6, 449	**26**, 878
Dichlormethyl oxide	....	$C_2H_4Cl_2O$	105	....	Regnault	A. C. [2], 71, 398	
Dichloracetaldehyde hydrate	$CHCl_2.CH(OH)_2$	$C_2H_4Cl_2O_2$	98–100	43 ; 57	Friedrich	A., 206, 251	**40**, 407
„ „	„	„	*118–121*	*56–57*	Denaro	G. I., 14, 117	**46**, 1283
Chlormethyl oxide	$CH_2Cl.O.CH_3$	C_2H_5ClO	79·5 (759)	....	Friedel	C. R., 84, 247	**32**, 424
Ethylene hydroxychloride	$CH_2Cl.CH_2.OH$	„	*128*	....	Wurtz	A., 110, 125	ii., 578
„ „	„	„	128–131	....	Demole	B., 9, 555	
„ „	„	„	130–131 (760)	....	Henry	B., 7, 70	
Ethylidene hydroxychloride	$CH_3.CHCl.OH$	„	25–30 (10)	Liquid	Hanriot	A. C. [5], 25, 219	**42**, 590
Ethylic hypochlorite	Et.O.Cl	„	36 (752)	Liquid	Sandmeyer	B., 18, 1768	**48**, 1045
Methyl oxide+HCl	....	C_2H_7ClO	−2	Liquid	Friedel	C. R., 81, 152	**28**, 1245
β-Dichloracrylic chloride ...	$CCl_2:CH.COCl$	C_3HCl_3O	a. 145	....	Wallach & Hunäus	B., 10, 569	**32**, 591
Trichloracetyl carboxylic acid	$CCl_3.CO.COOH$	$C_3HCl_3O_3$	....	89	Hofferichter	J. p. [2], 20, 195	**38**, 35
Pentachloracetone	$CHCl_2.CO.CCl_3$	C_3HCl_5O	185	Liquid	Cloez	B. S. [2], 39, 636	**46**, 580
„	„	„	190	....	Städeler	A., 109, 277	i., 30
„	„	„	*192*	Liquid	Cloez	B. S. [2], 39, 636	**46**, 580
„	„	„	182	....	....	A., 111, 181	
„ $+4H_2O$	„	....	....	15–17	....	A., 111, 295; 122, 120	
β-Dichloracrylic acid	$CCl_2:CH.COOH$	$C_3H_2Cl_2O_2$	....	75–77	Wallach	A., 203, 83 ; B., 8, 1580	**38**, 799 ; **29**, 551
β- „ „	„	„	....	*76–77* ; a. f. 63–64	Wallach & Hunäus	B., 10, 568	**32**, 591
α- „ „	$CHCl:CCl.COOH$	„	....	*85–86*	Bennett and Hill	B., 12, 656	**36**, 617
α- „ „	„	„	....	85–86	Hill and Mabery	A. C. J., 4, 263	**44**, 309
α- „ „	„	„	....	85–86	Ciamician & Silber	G. I., 13, 320	**46**, 176
Tetrachloracetone$+4H_2O$	....	$C_3H_2Cl_4O$	....	35	Bouis	A. C. [3], 21, 111	i., 30
„ „	....	„	177–180	38–39	Bischoff	B., 8, 1342	**29**, 559
Hexachloracetone hydrate	$CO(CCl_3)_2.H_2O$	$C_3H_2Cl_6O_2$	....	15	....	A., 122, 120	
α-Chloracrylic acid	$CH_2:CCl.COOH$	$C_3H_3ClO_2$	....	Liquid	Pinner	B., 8, 964	
α- „ „	„	„	176–181	Liquid	Beckurts and Otto	B., 10, 1949	**34**, 291
α- „ „	„	„	....	63	Wallach	A., 203, 83	**38**, 799
α- „ „	„	„	....	64–65	Werigo & Melikoff	B., 10, 1499	**34**, 290
α- „ „	„	„	....	*65*	Otto and Beckurts	B., 18, 239	**48**, 510
α- „ „	„	„	....	65 u. c.	Werigo and Werner	A., 170, 163	**27**, 242 ; vii., 1012
β- „ „	$CHCl:CH.COOH$	„	....	84	Bandrowski	B., 15, 2702	
β- „ „	„	„	....	*84–85*	Wallach & Hunäus	B., 10, 569	**32**. 592
β- „ „	„	„	....	84–85	Wallach & Reincecke	B., 10, 2128	**34**, 404
Chlormalonic acid	$CHCl(COOH)_2$	$C_3H_3ClO_4$	....	133	Conrad & Guthzeit	B., 15, 605	**42**, 946
α-Dichlorpropionyl chloride....	$CH_3.CCl_2.COCl$	$C_3H_3Cl_3O$	105–115	....	Beckurts and Otto	B., 11, 388	**34**, 488
Trichloracetone	$CH_3.CO.CCl_3$	„	d.	....	Bouis	A. C. [3], 21, 111	i., 30
„	„	„	170–172	....	Krämer	B., 7, 257	**27**, 676
„	„	„	*170–172*	....	Bischoff	B., 8, 1338	**29**, 558
„ $+2H_2O$	„	„	....	*43*	„	B., 8, 1338	
„ $+2H_2O$	„	„	....	44	Krämer	B., 7, 257	**27**, 676
Trichlormethylic acetate	$CH_3.COO.CCl_3$ (?)	$C_3H_3Cl_3O_2$	145 d.	....	Laurent	A. C. [2], 73, 25	i., 23
Methylic trichloracetate	$CCl_3.COOMe$	„	154	....	Henry	C. R., 101, 250	**48**, 1122
„ „	„	„	....	....	Clermont	C. R., 96, 437	
Trichlorpropionic acid	....	„	....	60	....	A. C. [3], 16, 67, 72, 82	
Trichlorlactic acid	$CCl_3.CH(OH).COOH$	$C_3H_3Cl_3O_3$	....	105–110	Bischoff and Pinner	B., 5, 208	**25**, 485
„ „	„	„	....	105–110	„	A., 179, 79	**29**, 555
Isotrichlorglyceric acid	$CCl_3.C(OH)_2.COOH$	$C_3H_3Cl_3O_4$	....	102	Claisen & Antweiler	B., 13, 1938	**40**, 154
Dichlorvinyl methyl oxide	$CCl_2:CH.O.CH_3$	$C_3H_4Cl_2O$	109–110	Liquid	Denaro	G. I., 14, 117	**46**, 1283
α-Chlorpropionyl chloride	$CH_3.CHCl.CO.Cl$	„	109–110 (744)	....	Henry	C. R., 100, 114	**48**, 372
β- „ „	$CH_2Cl.CH_2.CO.Cl$	„	*143–145* (763)	Liquid	„	„	„
β- „ „	„	„	a. 140	....	....	....	iii., 466

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dichloracetone	$CH_3.CO.CHCl_2$	$C_3H_4Cl_2O$	115–117	....	Friedel & Ladenburg	A., 159, 259	**24**, 919
,, ...	,,	,,	116·5	....	Städeler	A., 111, 301	i., 30
,, ...	,,	,,	119–120	....	Glutz and Fischer	J. p. [2], 4, 52	**24**, 921
,, ...	,,	,,	120	....	Wroblewsky	Z. C. [2], 4, 565	vi., 27
,, ...	,,	,,	120	Liquid	Mülder	B., 5, 1009	vii., 14; **26**, 380
,, ...	,,	,,	120	....	Borsche and Fittig	A., 133, 112	
,, ...	,,	,,	120	Liquid	Bischoff	B., 8, 1330	**29**, 557
,, ...	,,	,,	*120*	Liquid	Grabowsky	B., 8., 1438	,,
,, ...	,,	,,	120	....	Conrad	A., 186, 236	**29**, 370 **32**, 436
,, ...	,,	,,	120–121	....	Markownikoff	B., 6, 1210	
,, ...	,,	,,	121·5	....	Fittig	J., 12, 345	i., 30
,, ...	,,	,,	121·5 c.	....	Theegarten	B., 6, 897	
,, (polymer)	....	,,	130–140	....	Grabowsky	B., 8, 1438	**29**, 557
,, ,, ...	....	,,	132–135	....	Bischoff	B., 8, 1332	**29**, 558
,, ,, ...	....	,,	135–140	....	Mülder	B., 5, 1009	
,, ...	$CH_2Cl.CO.CH_2Cl$	,,	170–171	Liquid	Bischoff	B., 8, 1332	
,, ...	,,	,,	170–171	Liquid	Glutz and Fischer	J. p. [2], 4, 52	vii., 14; **24**, 922
,, ...	,,	,,	170–171	....	Bischoff	B., 8, 1332	
,, ...	,,	,,	172–172·8 c.	42·5	Richter	Tabellen	
,, ...	,,	,,	*168–169 (723)*	*43*	Hörmann	B., 13, 1708	
,, ...	,,	,,	171–172	42–43	Henry	C. R., 94, 1428	**42**, 1039
,, ...	,,	,,	....	43	Markownikoff	B., 6, 1210	vii., 318; **27**, 241
,, ...	,,	,,	140–170	44	Barbaglia	B., 7, 468	**27**, 790
,, ...	,,	,,	167·5	45	Markownikoff	A., 208, 355	**40**, 1121
Chlorethylic chlorformate	$Cl.COO.C_2H_4Cl$	$C_3H_4Cl_2O_2$	150–160	Liquid	Nemirowsky	J. p. [2], 31, 173	**48**, 741
Methylic dichloracetate	$CHCl_2.CO.OCH_3$	,,	*142–144*	....	Wallach	A., 173, 299	**28**, 351
,, ,, ...	,,	,,	144	....	Henry	C. R., 101, 250	**48**, 1122
Dichlormethylic acetate	$CH_3.CO.OCHCl_2$	,,	145–148 p. d.	....	Malaguti	A. C. [2], 70, 379	i., 23
α-Dichlorpropionic acid	$CH_3.CCl_2.COOH$	,,	185–190	l.—8	Beckurts and Otto	B., 9, 1877	**32**, 180
α- ,, ,, ...	,,	,,	185–190	....	,,	B., 10, 264	**32**, 182
α- ,, ,, ...	,,	,,	186–190	....	,,	B., 10, 1952	**34**, 291
α- ,, ,, ...	,,	,,	190–195	Liquid	,,	B., 9, 1593	**31**, 298
α- ,, ,, ...	....	,,	*192–194*	*—4*	Ciamician & Silber	B., 18, 1764	
α- ,, ,, ...	,,	,,	....	a. 15	Beckurts and Otto	B., 10, 2039	**34**, 290
β- ,, ,, ...	$CH_2Cl.CHCl.COOH$	,,	*210 (762)*	*abt. 50*	Henry	B., 7, 414	**27**, 679
β- ,, ,, ...	,,	,,	210 (762)	50	,,	J. p. [2], 10, 185	**28**, 347
β- ,, ,, ...	,,	,,	....	50	Werigo & Melikoff	B., 10, 1499	**34**, 289
β- ,, ,, ...	,,	,,	....	50	Melikoff	B., 13, 274	**38**, 627
β- ,, ,, ...	,,	,,	....	50	,,	C. C. [1881], 354	**42**, 38
Dichlorlactic acid	$CHCl_2.CH(OH).COOH$	$C_3H_4Cl_2O_3$	*219–221*	*75–78*	Grimaux and Adam	B., 10, 903	**29**, 65
,, ,, ...	,,	,,	....	76·5–77	....	B. S., 34, 29	
Chloracetone	$CH_3.CO.CH_2Cl$	C_3H_5ClO	117	....	Riche	C. R., 49, 176 J., 12, 339	i., 30 vi., 27
,, ...	,,	,,	116–120	Liquid	Markownikoff	....	**26**, 443
,, ...	,,	,,	118–120	....	Henry	B., 5, 190, 966	**26**, 379
,, ...	,,	,,	118–121	....	Bischoff	B., 5, 864	**26**, 159, 160
,, ...	,,	,,	*119*	....	Linnemann	A., 134, 170	vi., 27
,, ...	,,	,,	119	....	Mülder	B., 5, 1009	vii., 13
,, ...	,,	,,	120	Liquid	Barbaglia	B., 6, 318	**26**, 877
,, ...	,,	,,	119–120	....	Glutz and Fischer	J. p. [2], 14, 52	**24**, 921
,, ...	,,	,,	120·5–121·5	....	Markownikoff	C. R., 81, 668, 728, 776	**29**, 339
,, ...	,,	,,	120–125	....	Kriwaksim	B., 4, 563	**26**, 160
Epichlorhydrin	$CH_2Cl.CH.CH_2.O$ (CH and O joined)	,,	115–118	....	Münder and Tollens	Z. C. [2], 7, 252	**25**, 999
,, ...	,,	,,	*116·56 (760)*	....	Thorpe	37, 206	
,, ...	,,	,,	117 (755·5)	....	Darmstädter	J., 21, 454	
,, ...	,,	,,	117	....	Gegerfeldt	B., 6, 721	**26**, 1123
,, ...	,,	,,	117–118	....	Markownikoff	A., 208, 349	**40**, 1120
,, ...	,,	,,	118	....	....	....	ii., 898

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Epichlorhydrin	$CH_2Cl.CH.CH_2.O$	C_3H_5ClO	118–119	....	Lowe	G. J. C., 1870	vii., 48
"	"	"	118–119	....	Reboul	J., 13, 456	37, 207
"	"	"	115·8 (758)	....	Schiff	G. J. C., 1881	
"	"	"	120–130	....	Berthelot	....	i., 894
α-Chlorallyl alcohol	$CH_2:CCl.CH_2.OH$	"	*136 (763)*	....	Henry	C. R., 95, 849	44, 178
α- " "	"	"	136–140	....	Romburgh	R. T., 1, 233	44, 450
β- " "	$CHCl:CH.CH_2.OH$	"	153 c.	Liquid	"	B. S., 36, 549	42, 376
Propionyl chloride	$CH_3.CH_2.COCl$	"	abt. 80	....	Béchamp	J., 9, 429	
" "	"	"	80	....	Sestini	B. S., 11, 470	
" "	"	"	*77·8–78·3 (724)*	....	Brühl	G. J. C., 1880	
" "	"	"	79·5	....	"	....	44, 990
β-Chlorpropionic aldehyde	$CH_2Cl.CH_2.CHO$	"	....	34·5–35·5	Krestownikoff	B., 12, 1487	38, 234
β- " "	"	"	*170–175 (12–15)*	*33·5*	Grimaux & Adams	B. S. [2], 36, 22	40, 888
β- " "	"	"	....	32	Geuther & Cartmell	....	i., 57
Ethylic chlorocarbonate	Cl.COOEt	$C_3H_5ClO_2$	94	....	Dumas	A. C. [2], 54, 230	i., 916
Chlormethylic acetate	$CH_3.COO.CH_2Cl$	"	115–116	....	Henry	B., 6, 740	vii., 807; 26, 1117
Methylic chloracetate	$CH_2Cl.COO.CH_3$	"	126–127 (757)	Liquid	"	B., 6, 742	26, 1117
" "	"	"	129	Liquid	Meyer	B., 8, 1153	29, 372
" "	"	"	*130 (740)*	....	....	A., 179, 8	
" "	"	"	130	....	Henry	C. R., 101, 250	48, 1122
α-Chlorpropionic acid	$CH_3.CHCl.COOH$	"	180–185	....	"	C. R., 1203, 1258	28, 443
α- " "	"	"	*186*	l. —18	Buchanan	Z. C. [2], 4, 523	vi., 960
β- " "	$CH_2Cl.CH_2.COOH$	"	....	33·5–41	Richter	Tabellen	
β- " "	"	"	*203–205 (764)*	*37–38*	Henry	C. R., 100, 114	48, 372
β- " "	"	"	....	40·5 c.	Linnemann	A., 163, 96	vii., 27; 25, 689
β- " "	"	"	....	58	Richter	....	vii., 27
β- " "	"	"	....	65	Wichelhaus	....	vi., 960
α-Chlorlactic acid	$CH_2(OH).CHCl.COOH$	$C_3H_5ClO_3$	....	Liquid	Melikoff	B., 13, 273, 956	38, 627
α- " "	"	"	....	Liquid	"	B., 13, 2153	40, 154
β- " "	$CH_2Cl.CH(OH).COOH$	"	....	71	Frank	A., 206, 344	40, 417
β- " "	"	"	....	77	Richter	J. p. [2], 20, 193	38, 32
β- " "	"	"	....	78	Melikoff	B., 13, 2153	40, 154
β- " "	"	"	....	78	"	C. C. [1881], 354	42, 38
β- " "	"	"	....	78–79	"	B., 13, 273	38, 627
Trichlorpropyl alcohol	$CCl_3.CHMe.OH$	$C_3H_5Cl_3O$	150–160	49·2	Thurnlackh	A., 210, 78	42, 295
Propylphycite trichlorhydrin		"	172–173	....	Wolff	Z. C., 12, 465	
Chloral methylate	$CCl_3.CH(OH)(OMe)$	$C_3H_5Cl_3O_2$	98	50	Bartholdy & Martius	B., 3, 445	vii., 314
" "	"	"	*106*	*50*	Jacobsen	A., 157, 244	24, 257
Allyl alcohol dichloride	$CH_2Cl.CHCl.CH_2OH$	$C_3H_5Cl_2O$	180–184	....	Tollens and Henninger	B. S. [2], 11, 394; A., 156, 164	vi., 91; vii., 48
" " "	"	"	*182*	....	Hübner and Müller	A., 159, 179	24, 906
" " "	"	"	182	....	Münder and Tollens	Z. C. [2], 7, 252	25, 999
" " "	"	"	183	....	Gegerfeldt	B., 6, 721	
Glycerol dichlorhydrin	$CH_2Cl.CH(OH).CH_2Cl$	"	158	....	Claus	A., 170, 125	27, 243
" "	"	"	171–171·5	....	Markownikoff	B., 6, 1211	27, 241
" "	"	"	171–171·5 (765) = 175·8–176·3 c.	....	"	A., 208, 349	40, 1120
" "	"	"	172–174	....	Münder and Tollens	Z. C. [2], 7, 252	25, 999
" "	"	"	172–174	....	Hübner and Müller	Z. C. [2], 7, 232	"
" "	"	"	174	....	"	A., 159, 173	24, 906; vii., 48
" "	"	"	174	....	Friedel and Silva	C. R., 75, 81	25, 805; vii., 1020
" "	"	"	176–177	....	Hübner and Müller	Z. C. [2], 6, 344	vii., 317
" "	"	"	176–177	....	Gegerfeldt	B., 6, 721	26, 1123
" "	"	"	176–177 c.	....	Watt	B., 5, 258	25, 612
" "	"	"	175–180	....	Henry	A., 155, 324	
" "	"	"	174–186	....	Hübner and Müller	Z. C. [2], 6, 344	vii., 317

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Glycerol dichlorhydrin	$CH_2Cl.CH(OH).CH_2Cl$	$C_3H_6Cl_2O$	178	b. —35	....	....	i., 894
" "	"	"	178	....	Claus	A., 160, 42	26, 1120
" "	....	"	179–180	....	Henry	J. p. [2], 10, 185	28, 346
" "	....	"	180	....	Reboul	J., 13, 458	ii., 898
" "	....	"	180–183	....	Gegerfeldt	Z. C., 13, 672	
" "	....	"	182	....	Hübner and Müller	Z. C. [2], 7, 232	25, 1000
" "	....	"	183	....	Gegerfeldt	B., 6, 720	26, 1123
" "	....	"	182 (760)	....	Kahlbaum	B., 17, 1260	
" "	....	"	104 (75)	....	"	"	
" "	....	"	95·1 (50)	....	"	"	
" "	....	"	83·2 (25)	....	"	"	
" "	....	"	79·1 (20)	....	"	"	
" "	....	"	74·6 (15)	....	"	"	
" "	....	"	68·8 (10)	....	"	"	
" "	....	"	64·2 (5)	....	"	"	
" "	....	"	56·6 (0)	....	"	"	
Propylene chlorhydrin	$CH_3.CH(OH).CH_2Cl$	C_3H_7ClO	126–128	....	Oppenheim	J., 21, 340	vi., 968
" "	"	"	127	....	Oser	B. S. [1860], 235	vii., 1021
" "	"	"	*127·7 c.*	....	Markownikoff	C. R., 81, 668, 728, 776	29, 339
" "	"	"	127–128	....	Morley and Green	47, 132	
" "	$CH_2(OH).CH_2.CH_2Cl$	"	*160 c.*	....	Reboul	C. R., 79, 169	27, 1154
" "	"	"	160–162	....	"	A. C. [5], 14, 491	36, 128, 133
a-Glycerol chlorhydrin	$CH_2Cl.CH(OH).CH_2(OH)$	$C_3H_7ClO_2$	227	l. —35	Berthelot	J., 6, 456	i., 893
a- " "	"	"	139 (10)	....	Hanriot	C. R., 86, 1139	34, 656
a- " "	"	"	139 (20)	....	"	A. C. [5], 17, 62	36, 1030
β- " "	$CH_2(OH).CHCl.CH_2(OH)$	"	144–146 (10)	Liquid	"	C. R., 86, 1139	34, 656
β- " "	"	"	148 (20)	....	"	A. C. [5], 17, 73	36, 1030
β- " "	"	"	145–146 (20)	....	"	"	"
β- " "	"	"	159 (100)	....	"	B. S. [2], 27, 256	32, 301
β- " "	"	"	220	....	Henry	B., 5, 449	
β- " "	"	"	230–235	....	"	J. p. [2], 10, 185	28, 346
Heptachlorethyl acetate	....	$C_4HCl_7O_2$	....	b. 100	Leblanc	....	i., 22
Maleyl chloride	$C_2H_2(CO.Cl)_2$	$C_4H_2Cl_2O_2$	70–71 (11)	Liquid	Anschütz and Wirtz	B., 18, 1947	47, 900
Fumaryl "	"	"	60 (14)	....	" "	"	"
" "	"	"	160	....	Kekulé	As., 2, 86; A., 112, 26	ii., 747
Muco-chloric acid	....	$C_4H_2Cl_2O_3$	....	125	Schmeltz & Beilstein	As., 3, 280	iv., 764
" "	....	"	....	*125*	Bennett and Hill	B., 12, 656	
Trichlorcrotonyl chloride	$CCl_3.CH:CH.COCl$	$C_4H_2Cl_4O$	162–166	Liquid	Judson	Z. C. [2], 7, 40	vii., 398; 24, 233
?	....	"	196	....	Paternò	G. S. P., 5, 123	vi., 77
Tetrachlorethyl oxide	$(C_2HCl_4)_2O$	$C_4H_2Cl_8O$	189·7 (857·5)	....	Paternò and Pisati	G. I., 2, 333	26, 158
Chlorsuccinic anhydride	$CH_2.CHCl.CO.O.CO$	$C_4H_3ClO_3$	130–131 (14–15); 125–126 (11–12)	38–41	Anschütz & Beumert	B., 15, 642	42, 828
Chlorfumaric acid	$COOH.CH:CCl.COOH$	$C_4H_3ClO_4$	abt. 190 d.	*178*	Bandrowski	B., 15, 2695	44, 313
" "	"	"	....	191	Kander	J. p. [2], 31, 1	46, 652
Chloromaleic acid	$C_2HCl(COOH)_2$	"	....	171–172	Carius	B., 3, 334	vi., 798
Trichlorcrotonic aldehyde ..	$CCl_3.CH:CH.COH$	$C_4H_3Cl_3O$	*163–165*	....	Krämer and Pinner	A., 158, 37	vii., 35; 24, 557
" "	....	"	163–165	....	Goldberg	J. p. [2], 24, 97	42, 28
Trichlorcrotonic acid	$CCl_3.CH:CH.COOH$	$C_4H_3Cl_3O_2$	234–236	....	Krämer and Pinner	A., 158, 37	24, 558
" "	"	"	*236–238*	*44*	Judson	Z. C. [2], 7, 40; B., 3, 785	24, 233; vii., 397
Trichlorethylidenic glycollate	$O.CH_2.COO.CH.CCl_3$ (?)	$C_4H_3Cl_3O_3$	....	41–42	....	A., 193; 36	
a-*γ*-dichlorcrotonaldehyde	$CH_2Cl.CH:CCl.CHO$	$C_4H_4Cl_2O$	86–87	s. in CO_2 and snow	Natterer	M. C., 4, 539	44, 965
a-Chlorcrotonyl chloride	$CH_3.CCl:CH.COCl$ or $CH_3.CH:CCl.COCl$	"	142	Liquid	Sarnow	B., 4, 731	24, 1047

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tetrolyl chloride	....	$C_4H_4Cl_2O$	171–172 p. d.	Liquid	Demarçay	C. R., 88, 126	**36**, 458
" "	....	"	172	Liquid	"	B. S., 33, 524	**38**, 626
" "	....	"	*172–174*	....	Pawlow	B., 16, 486	
Succinyl chloride	COCl.CH$_2$.CH$_2$.COCl	$C_4H_4Cl_2O_2$	abt. 190	....	Gerhardt & Chiozza	C. R., 36, 1050	v., 462
Dichlorcrotonic acid.... ...	CHCl$_2$.CH : CH.COOH	"	215·5 u. c.	64	Gottlieb	J. p. [2], 12, 1	**29**, 562
Action of Cl on tetric acid	....	$C_4H_4Cl_4O$	....	48–48·5	Demarçay	C. R., 88, 126	**36**, 458
Action of Cl on tetrolyl chloride	....	"	....	49	"	B. S., 33, 524	**38**, 626
Trichlorbutyryl chloride	C$_3$H$_4$Cl$_3$.COCl	"	162–166	....	Judson	B., 3, 787	
Tetrachlorethylic acetate	CH$_3$.COO.CHCl.CCl$_3$	$C_4H_4Cl_4O_2$	185	....	Meyer and Dulk	A., 171, 67	**27**, 460
" "	"	"	186	....	Curie and Millet	C. R., 83, 745	**31**, 188
" " ...	"	"	188–189	....	....	Z. C. [1870], 345	
Tetrachlorbutyric acid	C$_3$H$_3$Cl$_4$.COOH	"	....	140	Pelouze and Gélis	A. C. [3], 10, 449	i., 694
Hexachlorethyl oxide	CHCl$_2$.CH$_2$.O.CCl$_2$.CH$_2$Cl or CHCl$_2$.CHCl.O.CHCl.CHCl$_2$	$C_4H_4Cl_6O$	250	....	Paternò	G. S. P., 5, 123	vi., 77
" "	....	"	250	....	....	Z. C. [1869], 394	
α-Crotonic chloride	CH$_3$.CH : CH.CO.Cl	C_4H_5ClO	123–128	....	Pawlowsky	B., 5, 331	
α-Chlorcrotonic aldehyde	CH$_2$Cl.CH : CH.COH	"	*147–148*	....	....	A., 179, 31	
" "	"	"	abt. 147	....	Pinner	B., 8, 1322	**29**, 553
Chlormethacrylic acid	fr. CH$_2$: CMe.COOH	$C_4H_5ClO_2$	....	58·5	Morawsky	J. p. [2], 12, 375	**29**, 563
" "	"	"	....	*59*	Gottlieb	J. p. [2], 12, 20	**29**, 562
" "	"	"	....	59–60	"	"	"
β-Chlor-β-crotonic acid	CH$_2$: CCl.CH$_2$.COOH	"	194·8 c.	59·5	Fröhlich	Z. C. [2], 5, 270	vi., 512
β- " "	"	"	....	*59·5*	Friedrich	B., 15, 218 ; A., 219, 322	**44**, 968
β- " "	"	"	....	59·5	Kahlbaum	B., 12, 2339	
β- " "	"	"	....	59·5	Claus and Lischke	B., 14, 1089	
β-Chlorcrotonic acid....	CH$_3$.CCl : CH.COOH (?)	"	....	93	Alberti	I. D., Strassburg, 1876	
β- " "	"	"	206–211	94	Fröhlich	Z. C. [2], 5, 270	vi., 512
β- " "	"	"	*206–211 p. d.*	94	Geuther	J. p. [2], 3, 431	**24**, 813
β- " "	"	"	206–211	94	"	J. Z., 6 ; pt. 4	vii., 399
β- " "	"	"	....	94·5	Kahlbaum	B., 12, 2337	
β- " "	"	"	....	*94·5*	Friedrich	B., 15, 218 ; A., 219, 322	**42**, 945 ; **44**, 968
β- " "	"	"	....	97	Thurnlackh	A., 213, 379	**42**, 1279
α- " "	CH$_3$.CH : CCl.COOH	"	206	94	Sarnow	B., 4, 732	**24**, 1046
α- " "	"	"	212	96	"	B., 5, 468	vii., 398 ; **25**, 689
α- " "	"	"	....	97·5	Kahlbaum	B., 12, 2338	
α- " "	"	"	....	*97·5*	Friedrich	B., 15, 218 ; A., 219, 322	**42**, 945 ; **44**, 968
Ethylic chloroxalate....	COCl.COOEt	$C_4H_5ClO_3$	*128*	....	Morley and Saint	....	**43**, 400
" "	"	"	131	....	Richter	C. C. [1878], 446	**36**, 139
" "	"	"	140	....	Henry	B., 4, 600	**24**, 820 ; vii., 883
Chlorsuccinic acid	COOH.CHCl.CH$_2$.COOH	$C_4H_5ClO_4$	....	151·5–152	Anschütz & Beumert	B., 15, 642	**42**, 828
Trichlorethylic acetate	CH$_3$.COO.CHCl.CHCl$_2$	$C_4H_5Cl_3O_2$	250–280	....	Kessel	B., 10, 1999	
Ethyldichloracetyl chloride....	C$_2$H$_5$.CCl$_2$.COCl	$C_4H_5Cl_3O$	152	....	Geuther	J. [1864], 317	vi., 22
Trichlorvinylethyl oxide	CCl$_2$: CCl.OC$_2$H$_5$	"	*154·8 c. (755)*	....	Paternò and Pisati	G. I., 2, 333	vii., 2 ; **26**, 159
" "	"	"	154–156	Liquid	Busch	B., 11, 446	**34**, 487
Trichlorbutyric aldehyde	CCl$_3$.CH$_2$.CH$_2$.CHO	"	*164–165 (750)*	....	Engel & Moitessier	C. R., 90, 1075	**40**, 407
" "	"	"	163–165	Liquid	Krämer and Pinner	B., 3, 386	....
" "	CH$_2$Cl.CHCl.CHCl.CHO	"	....	s. —78	Natterer	M. C., 4, 539	**44**, 965
Ethylic trichloracetate	CCl$_3$.COOEt	$C_4H_5Cl_3O_2$	164	....	Malaguti	A. C. [3], 16, 62	i., 879
Trichlorethylic acetate	CH$_3$.COO.CH$_2$.CCl$_3$	"	167 (736) ; 71 (18·3)	Liquid	Thurnlackh	A., 210, 69	**42**, 295
" "	....	"	164	....	Leblanc	A. C. [3], 10, 207	....
" "	CH$_3$.COO.CHCl.CHCl$_2$	"	250–280 p.d.	....	Kessel	B., 10, 1999	**34**, 133
Trichlorisobutyric acid	fr. (CH$_3$)$_2$.CH.COOH	"	....	50	Gottlieb	J. p. [2], 12, 1	**29**, 561
Trichlorbutyric acid....	fr. CH$_3$.CH$_2$.CH$_2$.COOH	"	....	*58*	Thurnlackh	A., 213, 374	**42**, 1279
" "	"	"	....	60	....	Z. P. C., 6, 494	....

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trichlorcrotonicaldehyde hydrate	$CCl_3.CH : CH.CH(OH)_2$	$C_4H_5Cl_3O_2$	....	78	Krämer and Pinner	A., 158, 37	**24**, 557; **vii.**, 400
" "	"	"	....	78	Pinner	A., 179, 21	**29**, 548
Trichlorethylglycollic acid ...	$CCl_3.CH_2.O.CH_2.COOH$	$C_4H_5Cl_3O_3$	....	69·5	Thurnlackh	A., 210, 72	**42**, 295
Pentachlorethyl oxide	$CCl_3.CCl_2.O.C_2H_5$	$C_4H_5Cl_5O$	190–210 p.d.	Liquid	Busch	B., 11, 446	**34**, 487
" "	"	"	....	Liquid	Jacobsen	B., 4, 217	**24**, 515
" " ...	$CCl_3.CHCl.O.CH_2.CH_2Cl$	"	235	....	Henry	B., 7, 763	**27**, 979
Dichlorbutyric aldehyde ...	$C_3H_5Cl_2.COH$	$C_4H_6Cl_2O$	200	....	....	....	**i.**, 689
" " ...	$CH_2Cl.CH_2.CH_2 COH$	"	225–230	....	Saytzeff	A., 171, 251	**27**, 570
a-Chlorbutyryl chloride	$CH_3.CH_2.CHCl.COCl$	"	129–132	....	Markownikoff	A., 153, 241	....
Dichlorethoxyethylene	$CHCl : CCl.OEt$	"	128·2 c.	....	Geuther & Brockpoff	J. Z., 7, 359	**vii.**, 487; **26**, 867
Dichlorethylic acetate	$CH_3.COO.C_2H_3Cl_2$	$C_4H_6Cl_2O_2$	110	....	Malaguti	A. C. [2], 70, 368	....
" "	"	"	125	....	Curie and Millet	C. R., 83, 745	**31**, 188
" "	$CH_3.COO.CHCl.CH_2Cl$	"	146–148	Liquid	"	B., 9, 1611	"
" "	....	"	165	....	....	M. C., 3, 453	....
Ethylic dichloracetate	$CHCl_2.COO.C_2H_5$	"	150–160	Liquid	Wallach	B., 10, 1527	....
" "	"	"	153	....	Fischer & Geuther	J., 1864, 316	**vi.**, 19
" "	"	"	154–157	....	Wallach	B., 6, 114	**vii.**, 310; **26**, 627
" "	"	"	156	....	Müller	....	**vi.**, 19
" "	"	"	158	....	"	G. J. C.. 1864	....
" "	"	"	156	....	Curie and Millet	C. R., 83, 745	**31**, 188
" "	"	"	*156* (*738*)	....	Brühl	G. J. C., 1880	....
" "	"	"	156	....	Conrad	A., 186, 232	**32**, 436
Chlorethylic chloracetate	$CH_2Cl.COO.CH_2.CH_2Cl$	"	180–210 d.	Liquid	Mülder and Bremer	B., 11, 1959	**36**, 303
" "	"	"	145 (i. v.)	....	"	"	"
" "	"	"	*197–198 u. c.*	Liquid	Henry	C. R., 97, 1308	**46**, 421
Methylic dichlorpropionate....	$CH_3.CCl_2.COO.CH_3$	"	143–144 u. c.	Liquid	Beckurts and Otto	B., 9, 1878	**32**, 181
" "	$C_2H_3Cl_2.COOCH_3$	"	158	....	Ciamician & Silber	B., 18, 1764	....
Dichlorhydroxyisobutyric acid	$CHCl_2.CMe(OH).COOH$	$C_4H_6Cl_2O_3$	....	82–83	Bischoff	B., 8, 1334	**29**, 558
" "	$(CH_2Cl)_2.C(OH).COOH$	"	....	90-92	Grimaux and Adam	C. R., 90, 1252	**38**, 801
Tetrachlorethyloxide	$CCl_3.CHCl.O.C_2H_5$	$C_4H_6Cl_4O$	185–190	....	Henry	B., 4, 101	**24**, 255; **vii.**, 314
"	"	"	185-190 u. c. (755)	....	"	B., 4, 436	**24**, 696
"	"	"	*189·7* (757)	....	Paternò and Pisati	G. I., 2, 333	**vii.**, 484
Ethoxychlorethylene	$CHCl : CH.OEt$	C_4H_7ClO	122–123	....	Geuther	Z. C. [2], 7, 128	**24**, 515; **vii.**, 8
Ethylidene acetochloride	$CH_3.CHClAc$	"	121·5 (746)	....	Franchimont	R. T., 1, 243	**44**, 452
Chlorcrotyl alcohol	....	"	158·3 c.(742·5)	s. f. m. of ice and $CaCl_2$	Thurnlackh	A., 213, 376	**42**, 1279
Butenylglyceryl epichlorhydrin	....	"	125·5 c. (738)	Liquid	Zikes	M. C., 6, 348	**48**, 1046
Isobutyryl chloride	$Me_2.CH.COCl$	"	92	....	Markownikoff	Z. C., 1866, 501	**vi.**, 378, 381
" "	"	"	*91·5–92·5* (748)	....	Brühl	A., 203, 19	....
Butyryl chloride	$CH_3.CH_2.CH_2.COCl$	"	abt. 95	....	Gerhardt	J., 5, 445	**i.**, 699; **vi.**, 381
" "	"	"	99–101 (734)	....	Brühl	A., 203, 19	....
" "	"	"	*100–101·5*	....	Linnemann	A., 161, 179	**25**, 395
Chlorbutyric aldehyde ...	$C_3H_6Cl.COH$	"	141	....	....	....	**i.**, 689
β- " "	$CH_3.CHCl.CH_2.COH$	"	....	96–97	Kekulé	Z. C. [2], 5, 57; A., 162, 100	**vi.**, 513, **25**, 616
Ethylene chloracetin	$CH_2Cl.CH_2.OAc$	$C_4H_7ClO_2$	143–145	Liquid	Ladenburg and Demole	B., 6, 1024	
" "	"	"	*143–145*	....	Henry	B., 7, 70	**27**, 457
" "	"	"	145	....	Simpson	J., 12, 487	**ii.**, 568
Ethylglycollic chloride	....	"	127–128	....	Henry	B., 2, 276	
Propylic chlorocarbonate	$Cl.COOPr^a$	"	*115·2 c.*	....	Röse	A., 205, 229	**40**, 252
" "	"	"	120–130d.	....	Roemer	B., 6, 1101	**27**, 39

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic chloracetate	$CH_2Cl.COO.C_2H_5$	$C_4H_7ClO_2$	141–142·5	....	....	M. C., 2, 696	
" "	"	"	*143·5*	....	Wilm	A. C. [3], 49, 97	**i.**, 877
" "	"	"	144–146	....	Brühl	G. J. C., 1880	
" "	"	"	142–147	....	Menschutkin and Jermolajew	Z. C. [2], 7, 5	**24**, 150
Chlorethylic acetate	$CH_3.COO.CHCl.CH_3$	"	90–140	....	Simpson	C. R., 47, 174	**i.**, 109
" "	"	"	120	....	Wurtz	C. R., 73, 528	**24**,1056; **vii.**,35
" "	"	"	120–124	....	...	A., 109, 156	
" "	"	"	*121·5 (746)*	....	Franchimont	B., 16, 402	
Methylic α-chlorpropionate....	$CH_3.CHCl.COOMe$	"	130–131	....	....	A., 208, 342	
" "	"	"	*132·5*	....	Kahlbaum	B., 12, 344	**36**, 521
" β- "	$CH_2Cl.CH_2.COOMe$	"	155–157	....	Henry	C. R., 100, 114	**48**, 372
α-Chlorisobutyric acid	$(CH_3)_2.CCl.COOH$	"	abt. 190	....	"	B. S., 25, 23	**30**, 397
?- " "	$C_3H_6Cl.COOH$	"	230–235 p. d.	106–107	Melikoff	B., S., 41, 311	**46**, 1301
β-Chlorbutyric acid	$CH_3.CHCl.CH_2.COOH$	"	200. d.	....	Pinner	B., 12, 2056	**38**, 99
β- " "	"	"	*200–201*	*98–99*	Markownikoff	Z. C. [2], 4, 621	**vi.**, 380
Methylic chlorlactate	$CH_2Cl.CH(OH).COOMe$	$C_4H_7ClO_3$	185–187	....	Frank	A., 206, 347	**40**, 417
Chlorhydroxybutyric acid	$C_3H_5Cl(OH).COOH$	"	....	53–56	Erlenmeyer and Müller	B., 15, 49	**44**, 969
" "	"	"	....	62–63	Melikoff	B.,16, 1268; B. S., 41, 311; 43, 115	**44**, 969; **46**, 1301; **48**, 650
" "	"	"	....	82	"	"	"
" "	"	"	....	82–83	"	"	"
" "	$CH_3.C_2H_2Cl(OH).COOH$	"	....	85	"	"	"
" "	....	"	m. p. error for 82–83	98–99	"	B., 15, 2586	**44**, 311
Acetone chloroform	$CMe_2.CCl_3.OH$	$C_4H_7Cl_3O$	167 *u. c.*	*96–97*	Willgerodt	B., 14, 2456	**42**, 492
" "	"	"	cf. B 15,2305	96	"	B., 16, 1585	**44**, 1079
" " $+\frac{1}{2}H_2O$	"	"	....	80–81	"	"	"
Trichlorbutyl alcohol	$C_3H_4Cl_3.CH_2OH$	"	120 (45)	*61·5–62*	Thurnlackh	B., 14, 2759; A., 213, 372	**42**, 824, 1279
" "	"	"	199–200	60–61	Mering	B., 15, 1021	**42**, 952
Chloral ethylate	$CCl_3.CH(OH)(OEt)$	$C_4H_7Cl_3O_2$	112·5 (740)	46	Lieben	B., 3, 909	**24**, 345
" "	"	"	114–115	43–46	"	"	**vii.**, 313
" "	"	"	113·5	....	Jungfleisch, Lebaigne, & Roucher	J. P. [4], 11, 208	**vii.**, 313
" "	"	"	....	44–46	....	....	**26**, 879
" "	"	"	115	....	Henry	B., 4, 102	**24**, 256
" "	"	"	115	56	Roussin	C. R., 69, 1144	**vii.**, 313
" "	"	"	115–116	S. 40	Martius and Bartholdy	B., 3, 444	"
" "	"	"	*115–117*	*56–57*	Jacobsen	A., 157, 244	**24**, 257
" "	"	"	116	....	Wurtz	C. R., 85, 53	**32**, 878
Butylchloralhydrate....	$C_3H_4Cl_3.CH(OH)_2$	"	v.t. 100 (860)	....	Engel & Moitessier	C. R., 90, 1075	**40**, 407
Dichlorethyl oxide	$(CH_3.CHCl)_2O$	$C_4H_8Cl_2O$	*116–117*	....	Lieben	J., 11, 291	**ii.**, 599
" "	"	"	115–117	....	Ressel	A., 175, 46	**28**, 554
" "	"	"	52 (40)	Liquid	Hanriot	A. C. [5], 25, 219	**42**, 590
" "	$CH_2Cl.CHCl.O.C_2H_5$	"	140–147	....	Darcet	A., 28, 82	**ii.**, 540
" "	"	"	140–147	....	Lieben	J., 12, 446	**vi.**, 596
" "	"	"	*147*	....	Wislicenus	A., 192, 106	**34**, 777
Action of HCl on aldehyde....	....	"	58–60 (40)	....	Hanriot	C. R., 92, 302	**40**, 404
Dichlorbutylhydrin	....	"	105–107 (30)	Liquid	Zikes	M. C., 6, 348	**48**, 1046
Dichlorisobutylhydrin	$C_4H_7Cl(OH)Cl$	"	143·5–(764)	Liquid	Œcominedes	C. R., 92, 1235	**40**, 793
Erythrol dichlorhydrin	$C_4H_6Cl_2(OH)_2$	$C_4H_8Cl_2O_2$	....	145 ?	De Luynes	A. C. [4], 2, 385	**vi.**, 583
" "	$CH_2Cl.[CH(OH)]_2.CH_2Cl$	"	....	125–125·5	Przybytek	B., 17, 1092	**46**, 979
" "	"	"	....	124–125	....	J. R., 13, 171	....
Chloraldehyde hydrate	$(CH_2Cl.CHO)_2+H_2O$	$C_4H_8Cl_2O_3$	85·5 cor.	43–50	Natterer	M. C., 3, 442	**42**, 1046
" " ...	"	"	85–100	74–75	Glinsky	Z. C., 6, 647	**vii.**, 36
Chlorethyl oxide	$CH_3.CHCl.O.C_2H_5$	C_4H_9ClO	97–98	....	Jacobsen	B., 4, 215	**vii.**, 481; **24**, 513
" "	"	"	105	Liquid	Henry	C. R., 100, 1007	**48**, 883
" "	$CH_2Cl.CH_2.O.C_2H_5$	"	107–108(o.p.)	....	"	"	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Chlorisobutyl alcohol	$(CH_3)_2.CCl.CH_2.OH$	C_4H_9ClO	128–130	....	Henry	B. S., 25, 23	**30**, 397
" "	"	"	*137*	....	Butlerow	A., 144, 26	vi., 376
Chloraldehyde alcoholate	$CH_2Cl.CH(OH)(OEt)$	$C_4H_9ClO_2$	*95–96*	....	Jacobsen	B., 4., 216	vii., 481; **24**, 514
" "	"	"	93–95	....	....	A., 164, 219	
Hydroxychlorethyl oxide	$CH_3Cl.CH(OH)OEt$	"	151–152	....	Abeljanz	A., 164, 197	**26**, 156; vii., 482
Butenylglyceryl chlorhydrin	$C_4H_7Cl(OH)_2$	"	134–136 c. (28)	Liquid	Zikes	M. C., 6, 348	**48**, 1046
" "	"	"	180–185	....	....	A. C. [3], 67, 290; 69, 339	
Action of HCl on aldehyde....	....	$C_4H_{10}Cl_2O_2$	25 (40)	....	Hanriot	C. R., 92, 302	**40**, 404
Chloralide	$CCl_3.CH.O.CO.O.CH.CCl_3$	$C_5H_2Cl_6O_3$	....	112–114	Kekulé	A., 165, 293	i., 884
"	"	"	....	112–114	Wallach	B., 6, 118	vii., 310
"	"	"	*272–273*	*114–115*	"	"	**26**, 627
"	"	"	268 (734)	114–115	Grabowsky	B., 8, 1434	**29**, 551
Parachloralide	....	"	182	....	Cloez	J., 12, 434	
Pyromucyl chloride	$C_4H_3O.COCl$	$C_5H_3ClO_2$	170	....	Liès-Bodart	....	iv., 765
" "	"	"	*160–180*	Liquid	Wallach	B., 14, 753	**40**, 715
Chlorpyromecenic acid	$C_5H_2ClO.OH+H_2O$	"	....	174	Hilacbein	J. p. [2], 32, 129	**48**, 1208
Chlorcitraconic anhydride	....	$C_5H_3ClO_3$	212	98–100	....	J., 1873, 583	
" "	....	"	....	100	Gottlieb	J. p. [2], 8, 73	**27**, 358
Trichlorphenomalonic acid	$CCl_3.CO.CH:CH.COOH$	$C_5H_3Cl_3O_3$	....	*131–132*	Kekulé & Strecker	A., 223, 181	**46**, 1122
" "	"	"	....	131–132	Carius	A., 140, 317; 142, 129	
" "	"	"	$C_5H_3Cl_3O_2$ (?)	....	Krafft	B., 10, 798	
Mesaconyl chloride	$C_3H_4(COCl)_2$	$C_5H_4Cl_2O_2$	80 (17)	....	Petri	B., 14, 1635	**40**, 1032
Itaconyl "	"	"	89 (17)	....	"	"	"
Citraconyl chloride	$COCl.CH:CMe.COCl$	"	*83 (17)*	....	"	"	
" "	"	"	95 (17·5)	Liquid	Strecker	B., 15, 1640	**42**, 1281
" "	"	"	175 d.	....	Gerhardt & Chiozza	A., 87, 294	
Trichlorethylidene lactate	$CCl_3.CH.O.CHMe.COO$ (?)	$C_5H_5Cl_3O_3$	222–224	45	....	A., 193, 36	
Trichlorangelactic acid	$CHCl:CCl.CHCl.CH(OH)COOH$	"	....	140	Bischoff and Pinner	B., 5, 213	vii., 400; **25**, 486
" "	" "	"	cf. $C_5H_7Cl_3O_3$	140	"	A., 179, 99	**29**, 556
Acetyl trichlorlactic acid	$CCl_3.CH(OAc).COOH$	$C_5H_5Cl_3O_4$	....	65	Pinner and Fuchs	B. 10, 1061	
Pentinic chloride	....	$C_5H_5Cl_2O$	189–191	....	Demarçay	B. S. [2], 33, 575	**40**, 255
" "	....	"	*189–192*	....	"	C. R., 88, 126	**36**, 458
Ethylic β-dichloracrylate	$CCl_2:CH.COOEt$	$C_5H_6Cl_2O_2$	173–175	Liquid	Wallach & Hunäus	B., 10, 569	**32**, 591
Glutaryl chloride	$COCl.(CH_2)_3.COCl$	"	216–218	Liquid	Reboul	C. R., 82, 1502; A. C. [5], 14, 501	**30**, 508; **36**, 134
Pyrotartryl chloride....	$COCl.CH_2.CHMe.COCl$	"	190–195	Liquid	Hjelt	B., 16, 2624	**46**, 297
Allyl tetrachlorethyloxide ...	$CCl_3.CHCl.OC_3H_5$	$C_5H_6Cl_4O$	195 d.	....	Oglialoro	G. I., 1874, 463	**28**, 878
Tetrachlorvaleric acid	$C_4H_5Cl_4.COOH$	$C_5H_6Cl_4O_2$	....	b.–15	Dumas and Stas	A., 35, 145	v., 978
α-chlorallylic acetate....	$CH_2:CCl.CH_2.OAc$	$C_5H_7ClO_2$	140–145	....	Henry	B., 5, 454	
α- " "	"	"	145	....	"	C. R., 95, 849	**44**, 173
β- " "	$CHCl:CH.CH_2.OAc$	"	156–159	....	Martinoff	B., 8, 1318	**29**, 541
β- " "	"	"	157–158	....	Henry	C. R., 95, 849	
Ethylic β-chloracrylate	$CHCl:CH.COOEt$	"	143–145	....	Wallach & Hunäus	B., 10, 569	**32**, 592
" "	"	"	145–146	....	Pinner	B. 7, 250	**27**, 682
" "	"	"	*145–146*	....	Pinner & Bischoff	A., 179, 74	**29**, 556
Methylic α-chlorcrotonate ...	$CH_3.CH:CCl.COOMe$	"	160·8	....	Kahlbaum	B., 12, 344	**36**, 521
" β-chlor-β-crotonate	$CH_2:CCl.CH_2.COOMe$	"	142 c.	Liquid	Fröhlich	Z. C. [2], 5, 274	vi., 512
Chlormethylcrotonic acid ...	fr. $CH_3.CH:CMe.COOH$	"	209–210	67	Demarçay	C. R., 84, 1087	**32**, 591
" " ..	"	"	....	69·5	Rücker	B., 10, 1954	**34**, 292
" " ...	"	"	....	68–69	Otto and Beckurts	B., 18, 825, 847	**48**, 755
α-methyl-β-chlorcrotonic acid	$CH_3.CCl:CMe.COOH$	"	....	*69·5*	Friedrich	B., 15, 218	**42**, 945
Chlorangelic acid	$Me.CCl:CH.CH_2.COOH$	"	....	103–104	Pinner and Klein	B., 11, 1499	**36**, 43
Ethylic malonyl chloride ..	$COCl.CH_2.COOEt$	$C_5H_7ClO_3$	170–180	....	Van t'Hoff	B., 7, 1572	**28**, 358
Chlorangelactic acid.... ..	....	"	....	116–116·5	Pinner and Klein	B., 11, 1496	
" "	....	"	....	140	Pinner	B., 7, 589	**27**, 787

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Mesachlorypyrotartaric acid ...	...	$C_5H_7ClO_4$	....	129–130	Schwartz	Z. C., 1866, 724	vi., 821, 981
Itachlorpyrotartaric acid	....	"	225–235	140–145	"	Z. C., 1866, 721	vi., 980
Chlorcitramalic acid	....	$C_5H_7ClO_5$	....	100	Gottlieb	A., 160, 101	25, 78
Chloritamalic acid	....	"	....	150	Richter	R. K. T.	
Hydrochloroxycitraconicacid	....	"	....	160–162 d.	Morawski	J. p. [2], 9, 430	28, 1253
Trichlormethylpropyl ketone	$CCl_3.CO.Pr$	$C_5H_7Cl_3O$	186 (753)	....	Grabowsky	B., 8, 1439	29, 557
Methyl trichlorpropyl ketone	$CH_3.CHCl.CCl_2.CO.CH_3$	"	192	....	Thurnlackh	A., 223, 149	46, 1118
Trichlorhydroxyethyl allyl oxide	$CCl_3.CH(OH).OC_3H_5$	$C_5H_7Cl_3O_2$	116	20·5	Oglialoro	G. I. [1874], 463	28, 878
Propylic trichloracetate ...	$CCl_3.COOPr^a$	"	187	....	Clermont	C. R., 96, 437	44, 729
Trichlorvaleric acid	$C_4H_6Cl_3.COOH$	"	....	b.—18	Dumas and Stas	A., 35, 145	v., 978
Ethylic trichlorlactate	$CCl_3.CH(OH).COOEt$	$C_5H_7Cl_3O_3$	....	66–67	Bischoff and Pinner	B., 5, 218; A., 179, 83	25, 485; 29, 555
Trichlorvalerolactic acid	$CH_2Cl.(CHCl)_2.CH(OH).COOH$	"	cf. $C_5H_5Cl_3O_3$	140	"	A., 179, 99	29, 556
" " ...	"	"	....	140	Pinner and Klein	B., 11, 1492	
Glycerol acetodichlorhydrin	$C_3H_5.Cl_2(OAc)$	$C_5H_8Cl_2O_2$	188–190	....	Franchimont	B., 16, 394	
" "	"	"	194–195	Liquid	Henry	B., 4, 704	24, 908
" "	"	"	205	....	Berthelot and Luca	A. C. [3], 53, 460	i., 25
" "	"	"	202–203	....	Truchot	J., 18, 503	
Ethylic α-dichlorpropionate....	$CH_3.CCl_2.COOEt$	"	155–160	....	Beckurts and Otto	B., 11, 388	34, 488
" α- "	"	"	*156–157*	....	"	B., 9, 1878	32, 181
" α- "	"	"	158	....	"	B., 9, 1593	
" α- "	"	"	160	Liquid	Klimenko	B., 3, 466	vii., 1012, 1033
" α- "	"	"	155–160	....	Richter	B., 10, 684	32, 441
" α- "	"	"	160	....	Beckurts and Otto	B., 10, 1952	34, 292
" β- "	$CH_2Cl.CHCl.COOEt$	"	*180* (*750*)	....	Henry	B., 7, 414; 10, 1854	
" β- "	"	"	183–184	....	Werigo & Melikoff	B., 10, 1500	34, 289
" β- "	"	"	180–190	....	Werigo & Werner	A., 170, 163	vii., 1012; 27 242
" "	....	"	185–190	....	Werigo & Okulitsch	A., 167, 49	26, 1020
Chlorethylic-β-chlorpropionate	$CH_2Cl.CH_2.COO.C_2H_4Cl$	"	210–215	Liquid	Henry	C. R., 100, 114	48, 372
Ethylic dichlorlactate	....	$C_5H_8Cl_2O_3$	205–206	....	....	J. R., 7, 162	
" "	....	"	219–221	....	....	A., 179, 88	
" "	....	"	219–222	....	....	B. S., 34, 29	
α-Chlorallyl ethyl oxide	$CH_2:CCl.CH_2.OEt$	C_5H_9ClO	*110*	....	Friedel and Silva	C. R., 75, 81	25, 805
α- " " "	"	"	110	....	Henry	....	vii., 1020
β- " " "	$CHCl:CH.CH_2.OEt$	"	*120*	....	"	B., 5, 189	vii., 50
β- " " "	"	"	120–125	....	Friedel and Silva	C. R., 75, 81	25, 805
Methylchlorallyl carbinol	$CH_3.CH:CCl.CHMe.OH$	"	158	Liquid	Thurnlackh	A., 223, 149	46, 1118
Acroleïn+ethyl chloride	$CH_2:CH.CClEt.OH$	"	115–120	....	....	As., 3, 182	
Isovaleryl chloride	$(CH_3)_2.CH.CH_2.COCl$	"	115–120	....	Béchamp	J., 9, 429	v., 979
" "	"	"	113·5–114·5	....	Brühl	A., 203, 24	
Trimethacetyl chloride	$CMe_3.COCl$	"	105–106	Liquid	Butlerow	A., 173, 373; B., 7, 728	27, 1084; 28, 250
Chlorvaleric aldehyde	$CHMe_2.CHCl.CHO$	"	134–135	....	Schrœder	B., 4, 402	24, 560; vii., 1195
Chlormethylisopropyl ketone	$CH_2Cl.CO.CHMe_2$	"	120 p. d.	....	Étard	C. R., 84, 951	32, 427
Methylchlorpropyl ketone	$CH_3.CO.CHCl.C_2H_5$	"	130	....	Wislicenus and Conrad	B., 8, 1038	29, 371
" "	"	"	130	Liquid	Conrad	A., 186, 242	32, 436
Ethylidene propiochlorhydrin	$CH_3.CHCl.(O.C_3H_5O)$	$C_5H_9ClO_2$	135 u. c.	....	Rübenchamp	A., 225, 267	48, 136
Propylene acetochloride	$CH_3.CH(OAc).CH_2Cl$	" (?)	151 c.	....	Morley and Green	47, 132	
Isobutylic chlorocarbonate	$Cl.COO.CH_2.CHMe_2$	"	130–140 p.d.	Liquid	Mylius	B., 5, 972	26, 266
" "	"	"	128·8 c.	....	Röse	A., 205, 230	40, 252
Propylic chloracetate	$CH_2Cl.COOPr^a$	"	161 (740)	....	....	A., 197, 8	
" "	"	"	*161–162* (765)	Liquid	Henry	C. R., 100, 114	48, 372
Ethylic α-chlorpropionate	$CH_3.CHCl.COOEt$	"	143·5	Liquid	Brühl	B., 9, 35	29, 700
" α- "	"	"	144	....	Wichelhaus	A., 148, 169	vi., 960
" α- "	"	"	*146*	....	Brühl	A., 203, 24	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic α-chlorpropionate	$CH_3CHCl.COOEt$	$C_5H_9ClO_2$	150	....	Wurtz	A., 107, 195	iv., 736
" -β- "	$CH_2Cl.CH_2.COOEt$	"	150–160	....	....	....	vi., 960
" -β- "	"	"	*162–163* (765)	....	Henry	C. R., 100, 114	**48**, 372
Glycerol aceto-chlorhydrin	$CH_2(OAc).CHCl.CH_2.OH$	$C_5H_9ClO_3$	230	....	"	J. p. [2], 10, 185	**28**, 346
" "	....	"	abt. 250	....	....	....	i., 25
Ethylic β-chlorlactate	$CH_2Cl.CH(OH).COOEt$	"	*205 u. c.*	*37*	Frank	A., 206, 347	**40**, 417
" " "	"	"	160–185 (174)	....	Melikoff	C. C. [1881], 354	**42**, 38
" ?- "	"	"	144	....	Wurtz	J., 11, 254	
" ?- "	....	"	150–160	....	Rudneff	B., 8, 434	
Methyltrichlorpropyl carbinol	$CHMeCl.CCl_2.CHMe.OH$	$C_5H_9Cl_3O$	123 (41)	50·5	Thurnlackh	A., 223, 149	**46**, 1118
Allylethyl dichlorhydrin	....	$C_5H_{10}Cl_2O$	165	....	Markownikoff	J. [1865], 492	vi., 99
β-dichlorpropionic aldehyde alcoholate	$CH_2Cl.CHCl.CH(OH)(OEt)$	$C_5H_{10}Cl_2O_2$	150–155	....	....	As., 3, 192	
Amylene chlorhydrin	....	$C_5H_{11}ClO$	155	....	Carius	A., 126, 199	vi., 121
Deriv. of chlorinated ether....	....	"	117–118	....	Lieben and Bauer	J., 15, 394	
Methylethyl chloracetal	$C_2H_3Cl(OEt)(OMe)$	$C_5H_{11}ClO_2$	abt. 137	....	Lieben	J., 20, 546	vi., 598
Glycerol ethoxychlorhydrin	$C_3H_5Cl(OEt)(OH)$	"	180	....	Reboul	....	ii, 883
" "	"	"	183–185	....	Henry	Z. C. [2], 6, 575; B., 5, 449	vii., 49; **25**, 686
" "	"	"	183–185 (758)	....	"	J. p. [2], 10, 185	**28**, 346
" "	"	"	188	....	....	As., 1, 236	
Allylethyl chlorhydrin	....	"	220	....	....	J. [1872], 331	
Ethylic chlorlevulinate	....	$C_5H_{11}ClO_3$	225–230	Liquid	Conrad & Guthzeit	B., 17, 2287	**48**, 43
Trichlorquinone	....	$C_6HCl_3O_2$	....	160	Städeler	A., 69, 327	v., 28
"	....	"	....	164–166	Stenhouse	[2], 6, 208	vi., 987
"	....	"	....	*165–166*	Krafft	B., 10, 799	**32**, 748, 749
Pentachlorphenol	$C_6Cl_5.OH$	C_6HCl_5O	....	183–184	Beilstein	B., 11, 2183	**36**, 463
"	"	"	....	186	Ruoff	B., 9, 1495	
"	"	"	....	*186–187*	Merz and Weith	B., 5, 458	vii., 906; **25**, 701
Pentachlorresorcinol....	$C_6Cl_4(OCl)(OH)=1.3$	$C_6HCl_5O_2$	....	92·5	Stenhouse	P. R. S., 20, 78	**25**, 298; vii., 1042
?	....	"	....	65	....	A., 169, 265	
Pentachlorphenol dichloride	$C_6Cl_5(OH):Cl_2$	C_6HCl_7O	....	68·5–70	Beilstein	B., 11, 680	**34**, 585
" "	"	"	....	*78·5–80*	"	B., 11, 2182	**36**, 463
β-Dichlorquinone	$C_6H_2Cl_2:O_2=1.3.2.5$	$C_6H_2Cl_2O_2$	....	119	Guareschi and Daccomo	B., 18, 1170	
β- "	" "	"	....	120	Armstrong	....	**24**, 1121
β- "	" "	"	....	*120*	Faust	A., 149, 153	"
β- "	" "	"	....	120	"	Z. C. [1867], 727	vii., 1036
α- "	" =1.4.3.6	"	....	154	Levy and Schultz	B., 13, 1428	**38**, 888
α- "	" "	"	....	*159*	"	A., 210, 150; B., 18, 2367	**42**, 510
α- "	" "	"	....	159	Schultz	B., 15, 656	
α- "	" "	"	....	160	Städeler	A., 69, 309	v., 28
α- "	" "	"	....	164	Kraffts	B., 10, 800	**32**, 749
Dehydromucic chloride	$C_4H_2O(COCl)_2$	$C_6H_2Cl_2O_3$	sb. 100	80	Klinkhardt	J. p. [2], 25, 46	**42**, 498
Dichlorcomanic acid	$C_5HCl_2O_2.COOH$	$C_6H_2Cl_2O_4$	....	217	Ost	J. p., 27, 293	**44**, 796
" "	"	"	....	*217*	"	J. p., 29, 57	**48**, 49
Trichlorochloroxybenzene	$C_6H_2Cl_3.OCl$	$C_6H_2Cl_4O$	....	119	Benedikt	M. C., 4, 233	**44**, 985
Tetrachlorquinol	$C_6Cl_4.(OH)_2=6.5.3.2.4.1$	$C_6H_2Cl_4O_2$	....	a. 220	....	....	iii., 216
Chlorquinone....	$C_6H_3Cl:O_2=?$	$C_6H_3ClO_2$	....	37–38	Schulz	B., 15, 654	
"	" =(2 or 5).1.4	"	....	57	Levy and Schultz	A., 210, 144	**42**, 509
"	" "	"	....	57	"	B., 13, 1428	**38**, 888
" (?)	....	"	....	120	Laubenheimer	B., 9, 770	
" (?)	....	"	....	160	Städeler	A., 69, 300	v., 28
Chlorcomanic acid	$C_5H_2ClO_2$ COOH	$C_6H_3ClO_4$	....	247	Ost	J. p. [2], 29, 57	**48**, 49
Trichlorphenol	$OH.Cl_3=?$	$C_6H_3Cl_3O$	250	44	Laurent	....	iv., 393
"	" =?3.2.1	"	*248·5–249·5 u. c.*	*54·1–54·5*	Hirsch	B., 13, 1908	**40**, 164
"	" =?	"	....	58	Piria	....	iv., 393
"	" =1.2.4.6	"	...	67	Daccomo	B., 18, 1163	vii., 929

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trichlorphenol	$OH.Cl_3$=1.2.4.6	$C_6H_3Cl_3O$	244	67–68	Faust	B., 6, 136	**26**, 635
„	„ „	„	*243·5–244·5 p. d.*	*67–68*	„	Z. C. [2], 3, 727	**vi.**, 909
Trichlororesorcinol	$(OH)_2.Cl_3$ =1.3.4 (?)$_2$	$C_6H_3Cl_3O_2$	....	69	Claasen	B., 11, 1441	**34**, 868
„	„ „	„	....	73	Reinhardt	J. p. [2], 17, 336	**34**, 727
„	„ „	„	....	83	„	„	„
„	„ „	„	....	*83*	Benedikt	M. C., 4, 224	**44**, 984
Trichlorquinol	„ =1.4.2.3.5	„	....	a. 130 +	....	A., 69, 321	**iii.**, 216
„	„ „	„	....	131–132	Krafft	B., 10, 797	**32**, 748
„	„ „	„	....	133–134	„	B., 10, 797	**32**, 748
„	„ „	„	....	134	....	As., 6, 214	**vi.**, 987
Trichlorpyrogallol	$(OH)_3.Cl_3$=1.2.3.4.5.6	$C_6H_3Cl_3O_3$	....	177 d.	Webster	45, 206	
„ $+3H_2O$	„ „	„	....	115	„	„	
Trichlorphloroglucol....	„ =1.3.5.2.4.6	„	....	136 u.c.	„	47, 424	
Phenaconic chloride	....	„	165	....	Carius	....	**vi.**, 905
Dichlorphenol	$OH.Cl_2$=1.2.4	$C_6H_4Cl_2O$	*209–210*	*42–43*	Fischer	Z. C. [2] 4, 386	**vi.**, 908, 921
„	„ „	„	209–211	41–42	Chandelon	B., 16, 1749	**44**, 1109
„	„ „	„	....	42–43	Beilstein and Kurbatow	B., 10, 270	**31**, 706
„	„ „	„	213–214	42–43	„	B., 8, 693	**28**, 1037
„	„ „	„	209–210	43	Faust	B., 6, 136	**26**, 635
„	„ „	„	210	43	Petersen	A., 157, 171	**24**, 251
„	„ „	„	cf. vii, 926	43	Post	B., 7, 332	**27**, 800
„	„ =1.3.5 (?)	„	....	*54–55*	Hirsch	B., 11, 1982	**36**, 315
„	„ = (?)	„	213–215	....	Longuinine	C. R., 86, 1392	**34**, 832
„	„ =1.2.6	„	217–219	63	Chandelon	B., 16, 1752	**44**, 1109
„	„ „	„	cf. vii, 929	65	Post	B., 7, 332	**27**, 800
„	„ „	„	*218–220*	*65*	Siefart	Z. C. [2], 5, 450	**vi.**, 909
„	„ „	„	218–220	65	Petersen	A., 157, 171	**24**, 251
„	„ „	„	218–220	65	Faust	B., 6, 135	**26**, 634
Dichlorresorcinol	$(OH)_2.Cl_2$=1.3.(?)$_2$	$C_6H_4Cl_2O_2$	*249*	*77*	Reinhardt	J. p. [2], 17, 328	**34**, 726
„	„ =1.3.(?)$_2$	„	....	100	„	B., 10, 1525	**34**, 222
Dichlorquinol	„ =1.4.2.6	„	....	*157–158*	....	A., 149, 154	
„	„ =1.4.2.5	„	....	164	....	....	**iii.**, 216
„	„ „	„	....	164	Levy and Schultz	B., 13, 1428	**38**, 888
„	„ „	„	....	*166*	„	A., 210, 148	**42**, 509
„	„ = (?)	„	....	172	Krafft	B., 10, 800	**32**, 749
Dichlormuconic acid....	....	$C_6H_4Cl_2O_4$	....	w.m. 260 p.d.	Bell	B., 12, 1272	**36**, 917
Malic chloranilide chloride....	....	$C_6H_4Cl_4O_4$	a. 200	....	....	A., 193, 44	
Chlorphenol	OH.Cl=1.2	C_6H_5ClO	....	Liquid	Petersen	B., 6, 368	**26**, 1133
„	„ „	„	173	Liquid	Beilstein and Kurbatow	B., 7, 1398 ; A., 176, 39	**28**, 363
„	„ „	„	174	Liquid	„	B., 7, 488	**27**, 806
„	„ „	„	175–176	....	Fischli	B., 11, 1463	**34**, 866
„	„ „	„	175–177	....	Müller	A. P. [3], 3, 103	**27**, 157
„	„ „	„	175·5–177	....	„	„	„
„	„ „	„	176	....	Hasse	B., 10, 2192	**34**, 416
„	„ „	„	175·5–177	l. −15	Faust and Müller	B., 5, 777	**26**, 65 ; **vii.**, 906
„	„ „	„	175·5–177	l. −15	„	A., 173, 303	**28**, 156
„	„ „	„	175·5–177	Liquid	Faust	B., 6, 136	**26**, 633
„	„ „	„	175–180	Liquid	Schmitt	B., 1, 68	**26**, 634
„	„ „	„	180	....	Post	B., 7, 332	**27**, 800
„	„ „	„	*176–177(760)*	7	Krämer	A., 173, 331	**vii.**, 906, 929 ; **28**, 157
„	„ „	„	176–177	7	Körner	G. I., 4, 305	**29**, 235
„	„ =1.3	„	*214 c.*	Liquid	Beilstein and Kurbatow	B., 7, 1395 ; A., 176, 45	**28**, 364
„	„ „	„	214	....	Körner	G. I., 4, 305	**29**, 235
„	„ „	„	215	....	Longuinine	C. R., 86, 1392	**34**, 832
„	„ „	„	211–212 u.c.	28·5	Uhlemann	B., 11, 1161	**34**, 978
„	„ =1.4	„	218	....	Armstrong	....	**28**, 520

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlorphenol	OH.Cl=1.4	C_6H_5ClO	217	36	Beilstein and Kurbatow	B., 7, 487; A., 176, 30	**27**, 806; **vii.**, 905, 918
"	" "	"	217	37	"	B., 7, 1396	**28**, 363
"	" "	"	220	38·5	Bähr-Predari	Z. C. [2], 6, 246	**vi.**, 908
"	" "	"	218	....	Schmitt	B., 1, 68	
"	" "	"	218	....	Faust	B., 6, 1022	
"	" "	"	....	41	Beilstein and Kühlberg	B., 5, 478	**26**, 72
"	" "	"	....	41	Petersen	B., 6, 378	**26**, 1133
"	" "	"	....	41	Peters	A., 176, 186	**28**, 762
"	" "	"	....	41	Hasse	B., 10, 2190	**34**, 416
"	" "	"	218	....	Post	B., 7, 332	**27**, 800
"	" "	"	*218–219*	*41*	Petersen & Predari	A., 157, 125	**24**, 241
"	" "	"	218	41	Faust	B., 6, 136	**26**, 633, 634
"	" "	"	218	41	Körner	G. I., 4, 305	**29**, 235
"	" "	"	abt. 220	41	Dubois	Z. C. [2], 3, 205	**vi.**, 908
Chlorresorcinol	OH.OH.Cl=1.3.?	$C_6H_5ClO_2$	*255–256*	*89*	Reinhardt	J. p. [2], 17, 322	**34**, 726
Chlorquinol	" =1.4.5	"	....	....	Wöhler	A., 51, 155; 69, 307	
"	" "	"	....	98	Levy and Schultz	B., 13, 1427	
"	" "	"	....	103–104	Schulz	B., 15, 654	
"	" "	"	*263 p.d.*	*106*	Levy and Schultz	A., 210, 137	**42**, 509
Chlorniceic acid	....	"	215	150	St. Evre	J., 1, 529	
Malic chloralide	COOH.CH$_2$.CH.COO.CH(CCl$_3$).O	$C_6H_5Cl_3O_6$	....	*137–138*	Wallach	B., 9, 1215	**31**, 60
" "	"	"	....	139–140	....	A., 193, 42	
?	....	$C_6H_5Cl_5O_3$	....	129	Grabowsky	B., 6, 1071	**27**, 46
Tritetrachloracetone + $6H_2O$	....	$C_6H_5Cl_7O_2$	....	30–32	Bischoff	B., 8, 1341	**29**, 559
" "	....	"	....	35	Bouis	A. C., 21, 111	
α-dichlorpropionic pyruvic anhydride	Me.CCl$_2$.CO.O.CO.CO.Me	$C_6H_6Cl_2O_4$	160–170	Liquid	Beckurts and Otto	B., 18, 234	**48**, 507
Chlorethylic crotonate	C$_3$H$_5$.COO.CHCl.CH$_3$	$C_6H_6Cl_4O_2$	220	Liquid	Pinner	A., 179, 21	**29**, 549
Chlorphlorone	....	$C_6H_7ClO_2$	....	b. 100	Rad	A., 151, 158	**vi.**, 929
Dimethylic chlorfumarate	C$_2$HCl(COOMe)$_2$	$C_6H_7ClO_4$	223–225	Liquid	Kauder	J. p. [2], 31, 1	**46**, 652
Trichlormesityl oxide	....	$C_6H_7Cl_3O$	206–208	....	Grabowsky	B., 8, 1441	**29**, 557
Ethylic trichlorcrotonate	CCl$_3$.CH : CH.COOEt	$C_6H_7Cl_3O_2$	212	Liquid	Judson	Z. C. [2], 7, 40	**24**, 233; **vii.**, 398
Quercittrichlorhydrin	....	"	....	155	....	A. C. [5], 15, 56	
Trichlorethylidenediacetate	CCl$_3$.CH(OAc)$_2$	$C_6H_7Cl_3O_4$	221–222 u.c.	Liquid	Meyer and Dulk	B., 4, 966; A., 171, 73	**vii.**, 312; **25**, 247; **27**, 461
Trichlorphenomalic acid	....	$C_6H_7Cl_3O_6$	....	131–132	Carius	A., 142, 140	**vi.**, 918
Dichlordumasin	....	$C_6H_8Cl_2O$	150–155	....	....	A., 110, 22	**ii.**, 351
Allylic α-dichlorpropionate	CH$_3$.CCl$_2$.COO.C$_3$H$_5$	$C_6H_8Cl_2O_2$	176–178 d.	....	Beckurts and Otto	B., 9, 1878	**32**, 181
" "	"	"	215–220	....	....	A., 167, 230	
Manitol anhydride dichloride	C$_6$H$_8$O$_2$.Cl$_2$	"	143 (43)	49	Fauconnier	C. R., 95, 991	**44**, 306
Ethylic acetodichloracetate	CH$_3$.CO.CCl$_2$.COOEt	$C_6H_8Cl_2O_3$	205–207	Liquid	Conrad	A., 186, 234	**32**, 436
Ethin dichlordiacetin	C$_2$H$_2$(OCl)$_2$(OAc)$_2$	$C_6H_8Cl_2O_4$	120 (20)	....	Prudhomme	C. R., 70, 1137	**vii.**, 11
Dichloradipic acid	COOH.CClMe.CClMe.COOH	"	....	185	Beckurts and Otto	B., 10, 1503; 18, 847	**34**, 290; **48**, 754
?	CCl$_2$: C(OEt)(OC$_2$H$_3$Cl$_2$)	$C_6H_8Cl_4O_2$	153–159	Liquid	Friedel	C. C., 1875, 514; B., 8, 642	**30**, 66
Chlorethylic trichlorbutyrate	C$_3$H$_4$Cl$_3$.COO.CHCl.CH$_3$	"	220	....	....	A., 179, 41	
Ethylic chlormethacrylate	fr. CH$_2$: CMe.COOEt	$C_6H_9ClO_2$	155–158	Liquid	Morawsky	C. C. [1877], 131	**34**, 213
" chlor-β-crotonate	CH$_2$: CCl.CH$_2$.COOEt	"	....	159 u. c.	Claus and Lischke	B., 14, 1089	
" " -β- "	"	"	....	160·5	Geuther	"	
" " -β- "	"	"	*161·4*	Liquid	Fröhlich	Z. C. [2], 5, 273	**vi.**, 512
" " -β- "	fr. CH$_2$: CH.CH$_2$.COOEt	"	184 c.	....	Geuther	J. p. [2], 3, 431	**24**, 814
" " -α- "	fr. CH$_3$.CH : CH.COOEt	"	*176*	Liquid	Sarnow	B., 5, 469	**vii.**, 398
" " -α- "	"	"	176–178	Liquid	....	A., 164, 101; 173, 301	**25**, 690
Chlorcrotylic acetate	CH$_2$Cl.CH : CH.CH$_2$.OAc	"	168–169 c. (741·1)	Liquid	Thurnlackh	A., 213, 379	**42**, 1279

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlorvinyl dimethylacetic acid	$CH_2 : CCl.CMe_2.COOH$	$C_6H_9ClO_2$	....	63–64	Demarçay	C. R., 84, 1087	**32**, 591
Chlorethyl-crotonic acid	$C_2H_4Cl.C_3H_4.COOH$	"	....	74–75	"	"	"
Ethylic acetochloracetate	$CH_3.CO.CHCl.COOEt$	$C_6H_9ClO_3$	193–195	Liquid	Allihn	B., 11, 569	**34**, 566
Trichlorcaproic aldehyde	$C_5H_8Cl_3.CHO$	$C_6H_9Cl_3O$	212–214	Liquid	Pinner	B., 10, 1053	**32**, 586
" "	"	"	215–220	....	"	B., 8, 1321	**29**, 554
Isobutylic trichloracetate	$CCl_3.COO.CH_2.CHMe_2$	$C_6H_9Cl_3O_2$	187–189	....	Judson	B., 3, 784	**vii.**, 10
Trichlorbutylic acetate	$C_3H_4Cl_3.CH_2.OAc$	"	130–132 (70)	Liquid	Thurnlackh	B., 14, 2759	**42**, 824
" "	"	"	131–132 (70)	....	"	A., 213, 373	**42**, 1279
" "	"	"	217·5 (730)	....	"	"	"
Trichlorcaproic acid	$C_5H_8Cl_3.COOH$	"	....	64	Pinner	B., 10, 1054	**32**, 587
Trichlorhydroquercite	....	"	....	155	Prunier	A. C. [5], 15, 5 ; C. R., 86, 338	**36**, 241 ; **34**, 400
Chloral ethylate acetate	$CCl_3.CH(OEt)(OAc)$	$C_6H_9Cl_3O_3$	*198 u.c.*	....	Meyer and Dulk	B., 4, 965 ; A., 171, 70	**vii.**, 314 ; **25**, 247 ; **27**, 461
Phenose trichlorhydrin	....	"	....	10	....	A., 136, 324	
Pentachloracetal	$CCl_3.CH(OEt)(OC_2H_3Cl_2)$	$C_6H_9Cl_5O_2$	186–189	....	Friedel	C. C. [1875], 514	**30**, 66
?- alcohol	$(CH_2)_2.CH(CH_2Cl).CCl.CH_2.OH$	$C_6H_{10}Cl_2O$	115–119 (20)	Liquid	Natterer	M. C., 5, 567	**48**, 497
Leucic chloride	....	"	90–100	....	Lippmann	A., 129, 81	**vi.**, 118
Dichlorpinacolin	....	"	178	51	Fittig	A., 114, 61	**iv.**, 647
Isobutylic dichloracetate	$CHCl_2.COO.CH_2.CHMe_2$	$C_6H_{10}Cl_2O_2$	182–184	....	Wallach	A., 173, 300	**28**, 351
Metacrolein dihydrochloride	$C_6H_8O_2.2HCl$	" (?)	....	50	Geuther & Cartmell	....	**i.**, 57
Ethylic dichlorhydroxyiso-butyrate	$CHCl_2.CMe(OH).COOEt$	$C_6H_{10}Cl_2O_3$	208–215 p.d.	....	Bischoff	B., 8, 1336	**29**, 558
" "	$(CH_2Cl)_2 : C(OH).COOEt$	"	225–230	Liquid	Kelly	B., 11, 2223	**36**, 306
Chlorhexylene alcohol	$C_6H_{10}Cl.OH$	$C_6H_{11}ClO$	165–168	Liquid	Natterer	M. C., 5, 567	**48**, 498
" "	$CH_2Cl.CH(OH).CH_2.C_3H_5$ or $CH_2Cl.CH(C_3H_5).CH_2.OH$	"	183–187	Liquid	Lopatkin	J. p. [2], 30, 389	**48**, 497
" "	....	"	185–187	....	Destrem	B., 16, 228	
Allylethyl chlorcarbinol	$C_3H_5.CClEt.OH$	"	133–135	....	....	A., 162, 99	
Capronyl chloride	$CH_3.(CH_2)_4.COCl$	"	136–140	....	....	A., 130, 364	
Diemethylethylacetyl chloride	$CMe_2Et.COCl$	"	132	....	Wischnegradsky	B., 8, 541	**28**, 878
?	....	"	145–150	....	Étard	B., 10, 236	
?	....	"	150	....	"	C. R., 84, 127	**31**, 585
Ethylene butyrochlorhydrin	$CH_2Cl.CH_2(O.C_4H_7O)$	$C_6H_{11}ClO_2$	190	....	Simpson	A., 113, 119	**ii.**, 571
Ethylidene "	$CH_3.CHCl.(O.C_4H_7O)$	"	149 u.c.	....	Rübencamp	A., 225, 267	**48**, 136
Isoamylic chlorocarbonate	$Cl.COO.C_5H_{11}$	"	154·3 c.	....	Röse	A., 205, 230	**40**, 252
Ethylic α-chlorbutyrate	$CH_3.CH_2.CHCl.COOEt$	"	156–160	....	Markownikoff	A., 153, 241	
" β- "	$CH_3.CHCl.CH_2.COOEt$	"	150–160	....	Hemilian	B., 6, 562	**26**, 1021
" β- "	"	"	168–169	....	....	J. R., 11, 252	
" β- "	"	"	168–169 (741)	l. —20	Balbiano	B., 10, 1749 ; G. I., 8, 90	**34**, 134, 658
" α-chlorisobutyrate	$Me_2CCl.COOEt$	"	148·5–149·5 c. (749)	Liquid	"	G. I., 8, 371	**36**, 615
Chloraldehyde ethylate acetate	$CH_2Cl.CH(OEt)(OAc)$	$C_6H_{11}ClO_3$	170	....	....	A., 134, 176	
Dulcitol chlorhydrin	$C_6H_7(OH)_4Cl$	$C_6H_{11}ClO_4$	....	90	....	A. C. [4], 27, 178	
Quercitol chlorhydrin	$C_6H_7(OH)_4Cl$	"	....	*198–202*	Prunier	A. C. [5], 15, 54	**36**, 241
" "	"	"	....	198–200	"	C. R., 86, 338	**34**, 400
Trichloracetal	$CCl_3.CH(OEt)_2$	$C_6H_{11}Cl_3O_2$	197	Liquid	Byasson	C. R., 87, 26	**34**, 967
"	"	"	199–201 ; *204·8 c.* (759)	Liquid	Wurtz and Vogt	C. R., 74, 277	**vii.**, 2
"	"	"	199–201 ; 204·8 c. (758·9)	....	Paternò and Pisati	G. I., 2, 333	**26**, 158
"	"	"	230	....	Henry	B., 4, 101	**24**, 255 ; **vii.**, 314
" (polymer ?)	$CCl_3.CH(OEt)_2$	"	*230 p.d.*	*72*	Paternò	C. R., 67, 765	**vi.**, 4 ; **vii.**, 2
" "	"	"	....	72–74	Paternò and Pisati	G. I., 2, 333	**26**, 158
" "	"	"	....	83	Krey	J. Z., 10, 84	**31**, 295
Dichlorhexyl alcohol	....	$C_6H_{12}Cl_2O$	205–210	....	Destrem	B., 16, 228	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dichloracetal	$CHCl_2.CH(OEt)_2$	$C_6H_{12}Cl_2O_2$	abt. 180	....	Lieben	J., 10, 436	i., 5
„	„	„	180	....	Krey	J. Z., 10, 84	**31**, 295
„	„	„	*183–184*	....	....	A., vols. 149, 150, and 179	
„	,	„	180–187	....	Jacobsen	B., 4, 217	
„	,	„	186	....	Jacobsen and Neumeister	B., 15, 600	
„	„	„	185–190	....	Goldberg	Jp. [2], 24, 100	**42**, 28
Diglycerol dichlorhydrin	....	$C_6H_{12}Cl_2O_3$	230–235	....	....	A. C. [3], 67, 303	
Mannitol dichlorhydrin	$C_6H_8Cl_2(OH)_4$	$C_6H_{12}Cl_2O_4$	....	174 d.	Bouchardat	C. R., 75, 1187 ; A. C. [4], 27, 174	vii., 774 ; **26**, 161
Hexylene chlorhydrin	$C_6H_{12}Cl.OH$	$C_6H_{13}ClO$	....	Liquid	Domac	M. C., 2, 319	**40**, 1114
„ α-chlorhydrin	$CHMe(OH).CHCl.CH_2.Et$	„	abt. 170	Liquid	Henry	C. R., 97, 261	**46**, 34
„ β- „	$CHMeCl.CH(OH).CH_2.Et$	„	170–171(761)	Liquid	„	„	„
Tetramethylethylene chlorhydrin	$CMe_2Cl.CMe_2.OH$	„	....	55	Eltekoff	B., 16, 399	**44**, 567
Ethylchlorbutyl oxide	$Et.O.C_2H_3Cl.Et$	„	137	....	Lieben and Bauer	J., 15, 393	vi., 597
„ „	„	„	*141*	....	....	A., 123, 133 ; 133, 288	
Chloracetal	$CH_2Cl.CH(OEt)_2$	$C_6H_{13}ClO_2$	155	....	Lieben	....	i., 5
„	„	„	150–160	....	„	J., 10, 437	
„	„	„	150–160	....	Goldberg	J. P. [2], 24, 98	**42**, 28
„	„	„	155	....	Klien	J. Z., 10, 67	**31**, 291
„	„	„	*156·8 c.*	....	Paternò & Mazzara	G. I., 3, 254	**26**, 1217
„	„	„	154–159	....	Krey	J. Z., 10, 84	**31**, 295
Ethoxyethyl chlorethyl oxide	$C_2H_4Cl.O.C_2H_4.OEt$	„	159	....	Lieben	A., 133, 287	iv., 288
„ „ „	$CHMeCl.O.CHMe.OEt$	„	146	Liquid	Hanriot	A. C. [5], 25, 219	**42**, 590
Triethyleneglycol chlorhydrin	....	$C_6H_{13}ClO_3$	222–223	....	....	A. C. [3], 67, 292	
Diglycerol chlorhydrin	....	$C_6H_{13}ClO_4$	270	....	....	A. C. [3], 67, 303	
Trichlorbenzoyl chloride	$C_6H_2Cl_3.COCl$ =5.4.3.1	$C_7H_2Cl_4O$	....	36	Salkowsky	A., 163, 32	vii., 164 ; **25**, 715
„ „ ...	„ =6.4.2.1	„	272	abt. 41	Beilstein and Kühlberg	A., 152, 238	vi., 313
Tetrachlorbenzoic acid	$COOH.Cl_4$ =1.2.3.4.6	$C_7H_2Cl_4O_2$	....	187	„	A., 152, 245	„
Chlormecenic acid	$HO.C_5ClO(COOH)_2$	$C_7H_3ClO_6$	$+H_2O$	165 d.	Hilsebein	J. p. [2], 32, 129	**48**, 1202
Dichlorbenzoyl chloride	$C_6H_3Cl_2.COCl$ =4.3.1	$C_7H_3Cl_3O$	242	....	Beilstein and Kühlberg	A., 152, 228	vi., 312
„ „	„ =6.2.1	„	244	Liquid	Schultz	A., 187, 273	**32**, 782
β-Trichlorbenzaldehyde	$C_6H_2Cl_3.CHO$ = ?	„	....	90	Seelig	B., 18, 425	**48**, 770
α- „	=6.4.2.1	„	....	112–113	„	„	„
α- „	= „	„	....	*110–111*	Beilstein and Kühlberg	A., 152, 238	
β-Trichlorbenzoic acid	$COOH.Cl_3$ = ?	$C_7H_3Cl_3O_2$	....	*129*	Seelig	B., 18, 425	**48**, 770
„ „	„ =1.2.4.6	„	....	160	Janasch	Z. C. [2], 3, 404	ii., 313
„ „	„ „	„	....	*163*	Beilstein and Kühlberg	A., 152, 234	vi., 313 ; **24**, 555
„ „	„ =1.3.4.5	„	....	203	Salkowsky	B., 4, 224	**25**, 715
„ „	„ „	„	....	*203*	„	A., 163, 33	vii., 164
Pentachlorbenzyl alcohol	$C_6Cl_5.CH_2.OH$	$C_7H_3Cl_5O$	....	193	Beilstein and Kühlberg	A., 152, 246	vi., 335
Pentachlororcin	....	$C_7H_3Cl_5O_2$	....	120·5	Stenhouse	P. R. S., 20, 72 ; A., 163, 175 ; 169, 265	**25**, 297 ; vii., 878
Chlorbenzoyl chloride ...	$C_6H_4Cl.COCl$ =1.4	$C_7H_4Cl_2O$	220–222	Liquid	Emmerling	B., 8, 881	**28**, 1261
„ „	„ =1.3	„	225	....	Limpricht & Uslar	A., 102, 263	i., 567
„ „	„ =1.2	„	235–238	Liquid	Emmerling	B., 8, 883	**28**, 1261
„ „	„ = ?	„	285	....	Limpricht & Uslar	A., 102, 262	i., 567
Dichlorbenzaldehyde	$C_6H_3Cl_2.CHO$ =4.2.1 (?)	„	230–233	57–58 u.c.	Gnehm	B., 17, 753	**46**, 1028
„	„ =4.3.1	„	....	68	Beilstein and Kühlberg	A., 152, 228	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dichlorbenzaldehyde	$C_6H_3Cl_2.CHO$ = 5.3.1	$C_7H_4Cl_2O$	....	65–65·5	Gabriel	B., 15, 2001	
Dichlorsalicylaldehyde	$C_6H_2Cl_2.OH.CHO$ = (?)$_2$.2.1	$C_7H_4Cl_2O_2$	....	25	Löwig	P. A., 36, 383	v., 171
Dichlorbenzoic acid	$COOH.Cl_2$ = 1.2.6	„	....	122	Aronheim & Dietrich	B., 8, 1404	**29**, 392
„ „	„ „	„	....	*126·5*	Schultz	A., 187, 270	**32**, 782
„ „	„ = 1.2.3 or 4 or 5	„	....	150	Wilkins and Rack	A., 222, 166	**46**, 602
„ „	„ „	„	301	150	Beilstein	B., 8, 814, 925	**28**, 1194
„ „	„ „	„	abt. *301*	*150*	„	A., 179, 287	**29**, 252, 587
„ „	„ „	„	....	152	Gnehm	B., 17, 753	**46**, 1028
„ „	„ „	„	....	155–156	Claus	B., 8., 949	
„ „	„ „	„	....	156	„	B., 6, 722	**26**, 1141
„ „	„ „	„	....	156	Claus and Pfeifer	B., 5, 658	**29**, 252
„ „	„ „	„	....	156	Schultz	A., 187, 268	**32**, 782
„ „	„ = 1.3.4	„	....	196–197	Otto	A., 122, 147	vii., 163
„ „	„ „	„	....	*201*	Beilstein and Kühlberg	Z. C. [2], 5, 180; Z. C. [2] 6, 417	vi., 312; vii., 163
„ „	„ „	„	....	201	Claus	B., 6, 723	**26**, 1141
„ „	„ „	„	....	201	Beilstein	B., 8, 924	**29**, 252
„ „	„ „	„	....	201	Doebner	B., 9, 130	**29**, 932
„ „	„ „	„	....	201	Schultz	A., 187, 268	**32**, 782
Dichlorsalicylic acid	$COOH.OH.Cl_2$ = 1.2.3.5	$C_7H_4Cl_2O_3$	....	214	Löxner	J. p. [2], 13, 430	
„ „	„ „	„	....	214	Rogers	T. D. Gottigen 1875	
„ „	„ „	„	....	*214*	Smith	B., 11, 1226	**34**, 879
„ „	„ = 1.2.(?)$_2$	„	....	224	„	B., 11, 1225	„
Dichlorhydroxybenzoic acid	„ = 1.4.(?)$_2$	„	....	156 u. c.	Claus and Reimann	B., 16, 1600	**44**, 1112
„ „	„ „	„	...	255–256	Löxner	J. p. [2], 13, 434	**30**, 283
Dichlorhydroxytoluquinone	$Me.Cl_2.OH:O_2$ = ?.(?)$_2$.1.2.5	„	....	157	Stenhouse & Groves	B., 13, 1306	
Chlorbenzotrichloride	$C_6H_4Cl.CCl_3$ = 1.4	$C_7H_4Cl_4O$	240–260	....	Klepl	J. p., 28, 193	**46**, 447
Tetrachlorcresol	$CH_3.OH.Cl_4$ = 1.3.2.4.5.6	„	....	150	Lallemand	J. [1856], 621	v., 795
Pentachlororcinhypochlorite	$C_7H_3Cl_5O_2.HClO.$	$C_7H_4Cl_6O_3$	....	140·5	Stenhouse	P. R., 20, 72; A., 163, 181	**25**, 297; vii., 878
Benzoyl chloride	$C_6H_5.COCl$	C_7H_5ClO	196	....	....	A., 98, 235	i., 566
„ „	„	„	....	—1	Lieben	A., 178, 43	**29**, 80
„ „	„	„	195	....	Malaguti	A. C. [2], 70, 376	
„ „	„	„	196·1	....	Schall	B., 17, 2203	
„ „	„	„	195–200	....	Cahours	J., 1, 532	
„ „	„	„	198	....	Harnitzky	G. J. C., 1864	
„ „	„	„	198	....	....	D. P., 256, 144	**48**, 944
„ „	„	„	*198–198·3*	....	Kopp	A. [1855]	
„ „	„	„	198·7	....	Buff	....	**44**, 990
Chlorbenzaldehyde	$C_6H_4Cl.CHO$ = 1.2	„	210–220	Liquid	Henry	J., 22, 509	
„	„ = 1.3	„	206	Liquid	Müller	D. P., 255, 356	**48**, 850
„	„ = 1.4	„	210–220	....	Berlin	A., 151, 140	vi., 329
„	„ „	„	*210–213*	....	Sintenis	B., 4, 699	
„	„ „	„	....	*47·5*	Jackson and White	B., 11, 1043	**34**, 729
Chlorbenzoic acid	$COOH.Cl$ = 1.2	$C_7H_5ClO_2$	....	130	Chiozza	A. C. [3], 36, 102	i., 555
„ „	„ „	„	....	136·5	Lellmann	B., 17, 536	**46**, 1133
„ „	„ „	„	....	*137*	Beilstein and Schlun	J. [1865], 330	vi., 311
„ „	„ „	„	....	137	Petersen	B., 6, 368	**26**, 1133
„ „	„ „	„	....	137	Richter	B., 4, 463	
„ „	„ „	„	....	140	Limpricht & Uslar	A., 102, 264	i., 555
„ „	„ „	„	....	140	Kolbe & Lautemann	A., 115, 183	vi., 311
„ „	„ = 1.3	„	....	151	Wroblewsky	Z. C. [2], 5, 460	„
„ „	„ „	„	....	152	Richter	B., 4, 463	
„ „	„ „	„	....	*152·5*	Beilstein and Schlun	J. [1865], 330	iv., 341
„ „	„ „	„	....	153	Petersen	B., 6, 368	**26**, 1133
„ „	„ „	„	....	153	Hubner	A., 222, 67	**46**, 315
„ „	„ „	„	....	153	Paternò	G. I., 11, 90	**40**, 598
„ „	„ = 1.4	„	....	233	Jackson and Field	A. C. J., 2, 85	**40**, 803
„ „	„ „	„	....	233–234	Jackson and White	B., 11, 1043	**34**, 729
„ „	„ „	„	....	234	Emmerling	B., 8, 880	**28**, 1261
„ „	„ „	„	....	235	Müller	Z. C. [2], 5, 137	vi., 311

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlorbenzoic acid	COOH.Cl=1.4	$C_7H_5ClO_2$	....	235–236	Beilstein & Geitner	A., 139, 336	
„ „	„ „	„	....	*236*	Beilstein and Schlun	J. [1865], 330	iv., 341
„ „	„ „	„	....	236	Paternò	G. I., 11, 90	40, 598
„ „	„ „	„	....	237	Petersen	B., 6, 368	26, 1133
„ „	„ „	„	....	252 (sic.)	Michaelis & Panek	B., 14, 408	40, 604
Chlorhydroxybenzaldehyde	CHO.OH.Cl=1.4.?	„	....	148–149	Herzfeld	B., 10, 2196	34, 423
Chlorhydroxybenzoic acid	COOH.OH.Cl=1.2.5	$C_7H_5ClO_3$	....	163	Lossner	J. p. [2], 13, 418	30, 282
„ „	„ „	„	....	167–168	Hasse	B., 10, 2190	34, 416
„ „	„ „	„	....	*167·5*	Beilstein	B., 8, 816	
„ „	„ „	„	....	170–171	Hübner and Weiss	B., 6, 175	
„ „	„ „	„	....	172	Smith	B., 11, 1227	34, 879
„ „	„ „	„	....	172·5	Hübner & Brenken	B., 6, 174	26, 756
„ „	„ =1.4.3	„	....	164–165	Hasse	B., 10, 2192	34, 416
„ „	„ „	„	....	169–170	Lossner	J. p. [2], 13, 432	30, 283
„ „	„ „	„	....	*187·5–188*	Peltzer	A., 146, 287	vi., 900
Chlordihydromecenic acid	$HO.C_6H_2ClO(COOH)_2$	$C_7H_5ClO_6$	....	145 p.d.	Hilsebein	J. p. [2], 32, 129	46, 1203
Trichlorcresol	$CH_3.OH.Cl_3=1.3.(?)_3$	$C_7H_5Cl_3O$	270	96	....	J., 1856, 620	
Trichlororcinol	$Me.(OH)_2.Cl_3=$?	$C_7H_5Cl_3O_2$	....	123	Stenhouse	P. R., 20, 72	25, 297 ; vii., 878
„	„ „	„	....	159 or 59 ?	Richter	R. K. T., 140	iv., 214
Trichlortoluquinol	„ „	„	....	197	....	A., 172, 211	
„	„ =1.2.(?)	„	....	*211–212*	Southworth	A., 168, 275	27, 62 ; vi., 1106
„	„ „	„	....	211–212	Claus and Riemann	B., 16, 1602	44, 1112
Hydroxybenzaldichloride	$C_6H_4.OH.CHCl_2=1.2$	$C_7H_6Cl_2O$	....	82	Henry	Z. C. [2], 5, 371	vi., 507
Dichlorbenzyl alcohol	$C_6H_3Cl_2.CHO=1.4.5$	„	....	77	....	A., 147, 351	vi., 335
Dichlorcresol	$C_6H_2.Me.OH.Cl_2=1.4.(?)_2$	„	....	39 u.c ; 42 u.c.	Claus and Riemann	B., 16, 1599	44, 1112
„	„ $=1.2.(?)_2$	„	....	55 u.c.	„	B., 16, 1601	44, 1112
Dichlortolu-o-quinol....	$C_6HCl_2.Me.(OH)_2$	$C_7H_6Cl_2O_2$	....	119–121	Southworth	A., 168, 274	27, 62
„ -m- „	„	„	....	167–169	....	A., 168, 271	
Trichlorvalerolactinic chloralide	....	$C_7H_6Cl_6O_3$	295–299	87–88	....	A., 193, 37	
Trichlorlactic-butyrchloralide	....	„	....	106–107	....	A., 193, 47	
Chlorbenzyl alcohol	$C_6H_4.(CH_2OH).Cl=1.4$	C_7H_7ClO	....	66	Beilstein and Kühlberg	A., 147, 344	vi., 335
„ „	„ „	„	....	*70·5*	Jackson and Field	A. C. J. [2], 88	40, 806
Chlormethoxybenzene	$C_6H_4Cl.OMe=1.4$	„	abt. 200 u.c.	Liquid	Henry	B., 2, 711	vi., 916
„	„ „	„	*198–202*	L— 18	Beilstein and Kurbatow	B., 7, 1396	vii., 905 ; 28, 363
„	„ „	„	190–193	....	Herold	B., 15, 1687	42, 1287
Chlorcresol	$C_6H_3Me.OH.Cl=1.4.?$	„	abt. 240	56	Biedermann	B., 6, 326	26, 898
Chlorterebilic acid	$CMe_2.O.CO.CCl:C.COOH$	$C_7H_7ClO_4$	....	200–203	Roser	A., 220, 254	46, 460
Methylic malic chloralide	....	$C_7H_7Cl_3O_5$	....	85	....	A., 193, 45	
Oxyheptic dichloride	....	$C_7H_8Cl_2O$	21 d. (sic)	....	Demarçay	C. R., 86, 1138	34, 662
Chlorterebic acid	....	$C_7H_9ClO_4$	....	*168 d.*	Frost	A., 226, 363	48, 393
„ „	....	„	....	160–170	Roser	B., 15, 296	
„ „	$CMe_2.COO.CH_2.CCl.COOH$	„	....	*189·5–190*	Williams	B., 6, 1097	27, 72
„ „	„	„	....	191	Roser	B., 15, 296	
Acetchloral allylate	$CCl_3.CH(OAc).O.C_3H_5$	$C_7H_9Cl_3O_3$	105–107	Liquid	Oliveri	G. I., 14, 13	46, 1118
Lactic butyrchloralide	....	„	260–262	....	....	A., 193, 47	
Acetyltrichlorvalerolactinic acid	$C_4H_5Cl_3(OAc).COOH$	$C_7H_9Cl_3O_4$	$+H_2O$	84	Pinner and Klein	B., 11, 1492	
Pimelic chloride	$C_5H_{10}(COCl)_2$	$C_7H_{10}Cl_2O_2$	210 p.d.	....	Kachler	A., 169, 173	27, 155
Acrolein acetyl chloride	$C_3H_4O.2C_2H_3OCl$	$C_7H_{10}Cl_2O_3$	140–145	....	Arontein	As., 3, 184	vi., 56
Methylchlorallylcarbinol acetate	CHMe : CCl.CHMe.OAc	$C_7H_{11}ClO_2$	172	....	Thurnlackh	A., 223, 149	46, 1118
Ethylchlormethyl crotonate	fr. $CH_3.CH:CMe.COOEt$	„	*173–157*	....	Rücker	B., 10, 1954	34, 292
„ „	„	„	178–180	....	Demarçay	C. R., 84, 1087	32, 591
Chlorisopropylcrotonic acid	....	„	....	s. —25	„	„	„
Chlorpropylcrotonic acid	....	„	....	Liquid —28	„	„	„

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic chlorangelactate	$C_4H_6ClO.COOEt$	$C_7H_{11}ClO_3$	230 d.	Liquid	Pinner and Klein	B., 11, 1497	**36**, 42
Diethylic chlormalonate	$CHCl(COOEt)_2$	$C_7H_{11}ClO_4$	220·5–221·5	....	....	A., 209, 221	
" "	"	"	*221–222*	Liquid	Conrad & Bischoff	B., 13, 600	**38**, 629
Glycerol diacetochlorhydrin	$C_3H_5.Cl(OAc)_2$	"	*abt. 245*	....	Berthelot & Luca	A. C. [3], 53, 433	i., 26
" "	"	"	245	cf. B, 16, 394	Truchot	J., 18, 503	
Trichlordiisopropylketone	....	$C_7H_{11}Cl_3O$	228–229	Liquid	Barbaglia & Gucci	B., 13, 1571	**40**, 34
Amylic trichloracetate	$CCl_3.COOC_5H_{11}$	$C_7H_{11}Cl_3O_2$	217	....	Clermont	C. R., 96, 437	**44**, 729
Methyltrichlorpropylcarbinol acetate	$CHMeCl.CCl_2.CHMe.OAc$	"	227	Liquid	Thurnlackh	A., 223, 149	**46**, 1118
Ethylic trichlorhydroxy-valerate	$C_4H_5Cl_3(OH).COOEt$	$C_7H_{11}Cl_3O_3$	225	40	Pinner and Klein	B., 11, 1492	**36**, 42
Dichlordiisopropyl ketone	....	$C_7H_{12}Cl_2O$	175–176	Liquid	Barbaglia & Gucci	B., 13, 1571	**40**, 34
Glycerol butyro-dichlorhydrin	$C_3H_5Cl_2(OC_4H_7O)$	$C_7H_{12}Cl_2O_2$	226–227 (738)	....	Truchot	A., 138, 298	....
Isobutylic α-dichlorpropionate	$CH_3.CCl_2.COOBu^\beta$	"	183–185	....	Backunts and Otto	B., 9, 1879	**32**, 181
Chlordi-isopropyl ketone	....	$C_7H_{13}ClO$	141–142	Liquid	Barbaglia and Gucci	B., 13, 1570	**40**, 34
Chlorethylic valerate	$C_4H_9.COO.CHCl.CH_3$	$C_7H_{13}ClO_2$	118–128 d.	....	Simpson	P. R. S., 27, 120	**38**, 459
Ethylidene valerochlorhydrin	$CH_3.CHCl.O.C_5H_9O$	"	162 u. c.	....	Rübencamp	A., 225, 267	**48**, 136
Chloral iso-amylate	$CCl_3.CH(OH)(OC_5H_{11})$	$C_7H_{13}Cl_3O_2$	143	s. 25	Bartholdy & Martius	B., 3, 443	vii., 314
" "	....	"	*145–147*	*56*	Jacobsen	A., 157, 244	**24**, 257
Heytylene chlorhydrin	$C_7H_{14}Cl.OH$	$C_7H_{15}ClO$	206–208	....	Clermont	B. S. [2], 13, 404	vii., 644, 868
Glycerol diethyl chlorhydrin	$C_3H_5Cl(OEt)_2$	$C_7H_{15}ClO_2$	184	....	Reboul & Lourenço	A., 119, 237	....
Trichlor-phthalic anhydride	$O:(CO)_2:C_6HCl_3=1.2.3.4\,?$	$C_8HCl_3O_3$	....	157	Claus and Kautz	B., 18, 1370	**48**, 972
" "	" "	"	....	157	Atterberg & Widman	B., 10, 1843	**34**, 322
?	....	$C_8HCl_{13}O_4$	....	115–120	Cahours	A., 67, 29	v., 463
Dichlor-phthalic anhydride	$O:(CO)_2:C_6H_2Cl_2=1.2.(?)_2$	$C_8H_2Cl_2O_3$	....	185–186	Atterberg	B., 10, 547	**32**, 623
" "	" "	"	...	187	Faust	A., 160, 64	**25**, 76; vii., 978
Tetrachlor-phthalic acid	$(COOH)_2.Cl_4=1.2.3.4.5.6$	$C_8H_2Cl_4O_4$	....	250	Claus and Spruck	B., 15, 1404	....
Chlorphthalic anhydride	$O:(CO_2):C_6H_3Cl=1.2.4$	$C_8H_3ClO_3$	....	89	Cleve	B. S. [2], 29, 499	**34**, 736
" "	" "	"	....	95	Alén	B. S. [2], 36, 434	**42**, 409
" "	" "	"	....	95 u. c.	Claus and Dehne	B., 15, 320	....
" "	" "	"	....	*95*	Krüger	B., 18, 1759	**48**, 1053
" " ...	" $=1.2.3$	"	....	*122*	"	"	"
" "	" "	"	....	140–143 (?)	....	J., 1880, 862	....
Phthalic chloride	$C_6H_4(COCl)_2=1.2$	$C_8H_4Cl_2O_2$	*268*	*s. 0*	Wischin	A., 143, 260	vi., 944
" "	" "	"	268	Liquid	Schreder	B., 7, 705	**27**, 990
" "	" "	"	270	s. 0	Müller	Z. C. P. [1863], 257	iv., 633
" "	" "	"	270	Liquid	Ador	A. C. [4], 26, 417; A., 164, 229	vii., 979; **26**, 66, 392
" "	" "	"	270	....	Piccard	B., 7, 1785	**28**, 570
Isophthalic chloride	" $=1.3$	"	*276*	*41*	Schreder	B., 7, 708	**27**, 991
Terephthalic chloride	" $=1.4$	"	*259 u.c.*	77	Berger	B., 10, 1743	....
" "	" "	"	....	*78*	Schreder	B., 7, 708	**27**, 991
Dichlorpiperonal	$C_6H_3Cl_2.O.CO.CHO$	$C_8H_4Cl_2O_3$	....	90	....	A., 159, 147	....
Dichlorphthalic acid	$C_6H_2Cl_2.(COOH)_2=(?)_2.2.1$	$C_8H_4Cl_2O_4$	....	183–185	Faust	A., 160, 64	**25**, 76; vii., 978
" "	" "	"	....	183	Claus and Kautz	B., 18, 1370	**48**, 972
β-phthalide chloride	$C_6H_4.CCl_3.COCl=1.2$	$C_8H_4Cl_4O$	262 p.d.	47	Gerichten	B., 13, 419	**38**, 474
α- " "	$C_6H_4:(CCl_2)_2:O=1.2$	"	275 p.d.	88	"	B., 13, 418	**38**, 473
Dichlorpiperonal chloride	$C_6H_3Cl_2.O.CO.CHCl_2$	$C_8H_4Cl_4O_2$	abt. 280 d.	Liquid	....	A., 159, 147	vi., 948
Tartaric chloralide	$[.CH.COO.CH(CCl_3).O]_2$	$C_8H_4Cl_6O_6$	....	122–124	Wallach	B., 9, 1215	**31**, 60
Chlorphthalic acid	$(COOH)_2.Cl=1.2.4$	$C_8H_5ClO_4$	....	130–134	Krüger	B., 18, 1759	**48**, 1053
" "	" "	"	....	148	Claus and Dehne	B., 15, 320	....
" "	" "	"	....	*149–150*	Alén	B. S. [2], 36, 434	....
" "	" $=1.2.3$	"	....	*179–181*	Krüger	B., 18, 1759	**48**, 1053
Chlorisophthalic acid	" $=1.3.5$	"	....	*278*	Beyer	J. p. [2], 25, 506	**42**, 1296
Trichloracetoxybenzene	$OAc.Cl_3=1.2.4.6(?)$	$C_8H_5Cl_3O_2$	261–262	....	....	As., 7, 184	....
Dichloracetophenone	....	$C_8H_6Cl_2O$	250–255	....	Dyckerhoff	B., 10, 532	**32**, 481
From polyporic acid....	...	"	....	109	Stahlschmidt	A., 195, 365	**36**, 383
Dehydracetyl chloride	....	$C_8H_6Cl_2O_2$	....	101	Precht	B., 9, 1100	**30**, 506
Piperonal dichloride....	$C_6H_5.O.CO.CHCl_2$	"	230–240 d.	Liquid	Fittig and Remsen	Z. C. [2], 6, 97; A., 159, 147	vi., 948; **24**, 938

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenyl dichloracetic acid	$Ph.CCl_2.COOH$	$C_8H_6Cl_2O_2$	....	*50–55* d.	Claisen	B., 12, 631	....
" " "	"	"	....	69	Radziszewski	B., 2, 209	vi., 1102
Dichloracetoxybenzene	$OAc.Cl_2=1.2.4$	"	244–245	....	....	A., 23, 60; As., 7, 184	....
Dichlortoluic acid	$Me.COOH.Cl_2=1.3(?)_2$	"	....	160–161	....	A., 144, 269	....
Dichlorxyloquinone	$C_6Me_2Cl_2:O_2$	"	....	175	Carstanjen	J. p. [2], 23, 432	42, 612
Methylic dichlorsalicylate	$OH.COOMe.Cl_2=1.2.(?)_2$	$C_8H_6Cl_2O_3$	....	142	Smith	B., 11, 1226	....
Dichlormethsalicylic acid	$OMe.COOH.Cl_2=1.2.(?)$	"	....	abt. 100	Cahours	A. C. [3], 10, 343	v., 163
" "	" "	"	....	*104*	Procter	J. Ph. [3], 3, 257	"
Dichloranisic acid	$OMe.COOH.Cl_2=1.4.(?)$	"	....	196	Reincecke	B. S. [2], 7, 177	vi., 173
Tetrachlor-β-orcinol	$C_6Me_2Cl_2(OCl)_2$	$C_8H_6Cl_4O_2$	....	109 or 190	Stenhouse & Groves	A., 203, 291	37, 399
Tetrachlordimethylquinol	$C_6Cl_4(OMe)_2$	"	....	153–154	Habermann	B., 11, 1035	34, 728
Chloracetophenone	$Ph.CO.CH_2Cl$	C_8H_7ClO	246	41	Graebe	B., 4, 35	24, 222
"	"	"	*244–245* u.c.	*58–59*	Staedel	B., 10, 1830	34, 419
Acetochlorphenone	$C_6H_4Cl(CO.CH_3)=1.4$	"	230–231	20	Gautier	B. S., 43, 602	48, 1061
Toluyl chloride	$C_6H_4Me.COCl=1.2$	"	211 (733)	....	Ador and Rilliet	B., 12, 2301	
" "	" $=1.3$	"	218 (724)	....	"	B., 12, 2300	
" "	" $=1.4$	"	224–226 (720)	....	"	B., 12, 2298	
" "	" "	"	214–216	....	Cahours	A., 108, 316	v., 864
Chlorisobutaldehyde (?)	....	$C_8H_7ClO_2$	173	106	Boquillon	J. P. [5], 11, 654	48, 962
Phenylic chloracetate	$CH_2Cl.COOPh$	"	230–235	40·2	Prevost	J. p. [2], 4, 379	vii., 9; 25, 144
Phenylchloracetic acid	$Ph.CHCl.COOH$	"	....	78	Radziszewski	B., 2, 208	vi., 1102
" "	"	"	....	78	Meyer and Boner	B., 14, 2392	
Methylic chlorbenzoate	$COOMe.Cl=1.4$	"	....	42	Emmerling	B., 8, 883	28, 1261
Anisyl chloride	$C_6H_4.OMe.COCl=1.4$	"	262	....	Cahours	A. C. [3], 23, 351	i., 306
Chlora-α-toluic acid	$C_6H_4Cl(CH_2.COOH)=1.4$	"	....	60	Beilstein & Kühlberg	A., 147, 346	40, 806
" "	" "	"	....	68	Radziszewski	B., 2, 208	"
" "	" "	"	....	*103·5–104*	Jackson and Field	A. C. J., 2, 89; B. 11, 905	40, 804
" "	" "	"	....	105–106	....	Z. P. C., 7, 27	
Chlortoluic acid	$COOH.Me.Cl=1.2.4$	"	....	130	Krüger	B., 18, 1758	48, 1053
" "	" $=1.2.3$	"	....	154	"	"	"
" "	" $=1.2.5$	"	....	166	"	"	"
" "	" $=1.4.5$	"	....	184–186	Kekulé & Fleischer	B., 6, 1090	27, 66
" "	" "	"	....	194–195	Gerichten	B., 10, 1249	34, 49
" "	" "	"	....	194–196 u.c. *199–201* c.	"	B., 11, 366	34, 571
" "	" $=1.3.4$	"	....	203–204	Vollrath	A., 144, 266	v., 864
" "	" "	"	....	204 c.	Remsen & Kuhara	A. C. J., 3, 424; B., 15, 951	42, 608
" "	" "	"	....	203–204	Beilstein & Kreusler	A., 144, 182	
" "	" "	"	....	209–210 c.	Jacobsen	B., 18, 1761	48, 1052
Chloryxloquinone	$C_6HMe_2Cl:O_2$	"	....	48	Carstanjen	J. p. [2], 23, 431	42, 612
Methylic chlorsalicylate	$COOMe.OH.Cl.=1.2.5$	$C_8H_7ClO_3$	....	48	Smith	B., 11, 1227	
Chloranisic acid	$COOH.OMe.Cl.=1.4.6$	"	....	*176*	....	A., 56, 312	i., 302
" "	" "	"	....	180	....	B. J., 23, 421	
" "	" $=1.4.5$	"	....	214–215	Schall and Dralle	B., 17, 2528	48, 146
Chlordehydracetic acid	....	$C_8H_7ClO_4$	....	93	Precht	B., 9, 1101	30, 506
(?)	$CPhCl_2.COH+HCl$	$C_8H_7Cl_3O$	begins 265 d.	....	Combes	C. R., 98, 678	46, 837
Ethoxytrichlorbenzene	$C_6H_2Cl_3.OEt=?$	"	240	43–44	Faust	Z. C. [2], 3, 727	vi., 909
"	" $=1.2.3.4$	"	....	67–68	Petersen	A., 157, 171	24, 252
Ethoxydichlorbenzene	$C_6H_3Cl_2.OEt=?$	$C_8H_8Cl_2O$	226–227	Liquid	Fischer	Z. C. [2], 4, 386	vi., 908
"	" $=1.3.4$	"	236–237	....	....	A., 23, 60; As., 7, 183	
Dichlordimethyl resorcinol	$C_6H_2(OMe)_2Cl_2=1.3.(?)_2$	$C_8H_8Cl_2O_2$	d. 140	Liquid	Hönig	B., 11, 1040	34, 727
" quinol	" $=1.4.(?)_2$	"	....	126 u.c.	Habermann	B., 11, 1035	34, 728
Dichlor-β-orcinol	$C_6Me_2(OH)_2Cl_2$	"	....	142	Stenhouse & Groves	A., 203, 292	37, 399
Dichlorxyloquinol	"	"	....	148–150	Carstanjen	J. p. [2], 23, 431	42, 612
"	"	"	....	175	....	A., 151, 171	
Phenylchlorethyloxide	$Ph.O.CH_2.CH_2Cl$	C_8H_9ClO	221 (754)	25	Henry	C. R., 96, 1233	44, 802

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J.Ch. Soc.
Ethoxychlorbenzene	$C_6H_4.OEt.Cl = 1.2$	C_8H_9ClO	208–208·5	Liquid	Beilstein and Kurbatow	B., 7, 1398; A., 176, 39	vii., 906; **28**, 363
"	" "	"	210	Liquid	Henry	Z. C. [2], 6, 247	vi., 916
"	" $= 1.4$	"	210–212	21	Beilstein and Kurbatow	B., 7, 1396; A., 176, 31	vii., 905; **28**, 363
Chlormethoxytoluene	$C_6H_3Me.OMe.Cl = 1.3.4$ or 6	"	185	....	....	A., 151, 115	
"	" $= 1.4.5$	"	213–215	Liquid	Schall and Dralle	B., 17, 2529	**48**, 146
Ethylic chlorniceate	....	$C_8H_9ClO_2$	230	....	St. Evre	J., 1, 530	
Chlordimethylresorcinol	$C_6H_3(OMe)_2Cl = 1.3.?$	"	....	118	Hönig	B., 11, 1039	**34**, 727
Chlorxyloquinol	$C_6HMe_2(OH)_2Cl$	"	....	147	Carstanjen	J. p. [2], 23, 43	**42**, 612
"	"	"	....	148–150	....	A., 151, 166	
Acetotrichlorethylidene acetic ether	....	$C_8H_9Cl_3O_3$	154–158 (24–26)	Liquid	Mathews	43, 203	
Crotonic chloral diacetate	$C_3H_2Cl_3.CH(OAc)_2$	$C_8H_9Cl_3O_4$	240–250 p.d.	Liquid	Pinner	A., 179, 21	**29**, 549
Ethylic malic chloralide	....	$C_8H_9Cl_3O_5$	....	45–46	....	A., 193, 45	
Diethylic chlormaleate	$C_2HCl(COOEt)_2$	$C_8H_{11}ClO_4$	*243–245*	....	Claus	A., 191, 80	**34**, 857
" "	"	"	250–260	....	Henry	A., 156, 179	
Action of HCl on aldehyde....	....	$C_8H_{12}Cl_2O$	100	....	Hanriot	C. R., 92, 302	**40**, 404
? — acetate....	$(CH_2)_2.CH(CH_2Cl).CCl.CH_2.OAc$	$C_8H_{12}Cl_2O_2$	122–123	Liquid	Natterer	M. C., 5, 567	**48**, 498
Diethylic maleate dichloride	....	$C_8H_{12}Cl_2O_4$	243–245 (735)	....	Claus and Franck	B., 10, 928	**32**, 740
? — acetate....	$CH_2Cl.CH(OAc).CH_2.C_3H_5$ or $CH_2Cl.CH(C_3H_5).CH_2.OAc$	$C_8H_{13}ClO_2$	203–207	Liquid	Lopatkin	J. p., 30, 389	**48**, 49
Ethylic ethylacetochloracetate	CClEtAc.COOEt	$C_8H_{13}ClO_3$	215–220 d.	....	Wislicenus and Conrad	A., 186, 241; B., 8, 1034	**29**, 370
Diethylic chlorsuccinate	COOEt.CH_2.CHCl.COOEt	$C_8H_{13}ClO_4$	234–235	....	Anschütz	B., 18, 1952	
Diglycerol acetrichlorhydrin	....	$C_8H_{13}Cl_3O_3$	190 (20)	....	....	Z. C., 1866, 513	
Glycerolisovalerodichlorhydrin	$C_3H_5.(OC_5H_9)OCl_2$	$C_8H_{14}Cl_2O_2$	245 (737)	....	Truchot	A., 138, 298	v., 980
Hexylene acetochlorhydrin ...	$C_6H_{12}Cl.OAc$	$C_8H_{15}ClO_2$	188–190	Liquid	Henry	C. R., 97, 260	**46**, 34
Triethoxydichlorethane	$C_2HCl_2(OEt)_3$	$C_8H_{16}Cl_2O_3$	205	....	....	J., 1864 and 1873	
?	$O(C_2H_3Cl.OEt)_2$	"	163–165	....	Abeljanz	A., 164, 220	**26**, 156
?	$O[CH(OEt).CH_2Cl]_2$	"	abt. 165	....	Jacobsen	B., 4, 216	vii., 481; **24**, 514
Octylenechlorhydrin....	....	$C_8H_{17}ClO$	204–208	....	Clermont	....	iv., 173
Glycerol isoamyl chlorhydrin	$C_3H_5(OC_5H_{11})(OH)Cl$	$C_8H_{17}ClO_2$	235	....	Reboul	J., 13, 464	ii., 884
Tetrachlorcoumarin	....	$C_9H_2Cl_4O_2$	....	144–145	Perkin	24, 45	vi., 500
α-Chlorcoumarin	....	$C_9H_5ClO_2$	....	122–123	"	24, 44	"
β-	....	"	....	162	Bäsecke	A., 154, 84	"
Chlortrimesic acid $+H_2O$	$C_6H_2Cl(COOH)_3 = 6.5.3.1$	$C_9H_5ClO_6$	....	278	....	J. p. [2], 15, 310	
α-Trichlorcinnamic acid	$C_6H_2Cl_3.CH:CH.COOH$	$C_9H_5Cl_3O_2$	....	200–201	Seelig	B., 18, 425	**48**, 770
β- " "	"	"	....	185	"	"	"
Trichloracetophenone benzoic acid	$C_6H_4(CO.CCl_3).COOH = 1.2$	$C_9H_6Cl_3O_3$	....	144	Gabriel & Michael	B., 10, 1556	**34**, 430
Salicylic chloral	....	"	....	124–125	....	A., 193, 41	
Dichlorethylene protocatechuic acid	$O.C_2H_2Cl_2.O.C_6H_3.COOH = 4.3.1$	$C_9H_6Cl_2O_4$	....	118–121	....	A., 168, 109	
Cinnamyl chloride	$C_6H_5.CH:CH.COCl$	C_9H_7ClO	262	....	Cahours	A., 178, 214	i., 990
" "	"	"	170–171 (58)	35–36	Claisen & Antweiler	B., 13, 2124	**40**, 169
Chloratropic acid	Fr. $C_6H_5.C(COOH):CH_2$	$C_9H_7ClO_2$	....	85	Ladenburg	B., 12, 948	**36**, 720
α-Chlorcinnamic acid	Ph.CH:CCl.COOH	"	fr. water	137–138	Perkin	47, 258	
α- " "	"	"	fr. petroleum	*142*	"	"	
α- " "	"	"	....	138–139	Forrer	B., 16, 854	
α- " "	"	"	....	142–143	Jutz	B., 15, 788	**42**, 1073
α- " "	"	"	....	142	Plochl	B., 15, 1946	**44**, 195
β- " "	Ph.CCl:CH.COOH	"	....	114	Jutz	B., 15, 788	**42**, 1073
β- " "	"	"	....	*114*	Perkin	47, 258	
" "	Cl.(CH:CH.COOH $= 1.3$	"	....	167	Gabriel & Herzberg	B., 16, 2036; C. C. [1884], 35	**44**, 1123; **48**, 661
" "	" $= 1.2$	"	....	200	" "	"	"
" "	" $= 1.4$	"	....	240–242	" "	"	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlorcinnamic acid	?	$C_9H_7ClO_2$	....	132	....	A., 70, 7	i., 987
Acetylic chlorsalicylate	$C_6H_3Cl(OH).COOAc = ?.2.1$	$C_9H_7ClO_4$	....	149	Smith	B., 11, 1227	
Chlormethylnoropianic acid	$C_6HCl.OMe.OH.CHO.COOH$	$C_9H_7ClO_6$	....	206	Prinz	J.p., 24, 370	42, 403
Ethylic chlormecenate	$HO.C_5.ClO(COOH)(COOEt)$	$C_9H_7ClO_6$	....	148	Hilsebein	J.p. [2], 32, 129	48, 1202
From polyporic acid....	....	$C_9H_7Cl_2O_2$ (?)	....	108	Stahlschmidt	A., 195, 365	36, 383
Ethylic trichlorbenzoate	$Cl_3.COOEt = 6.4.2.1$	$C_9H_7Cl_3O_3$	....	65	Beilstein and Kühlberg	A., 152, 237	vi., 313
,, ,, ...	,, =5.4.3.1	,,	....	86	Salkowsky	A., 163, 32	vii., 164; 25, 715
Propionoxytrichlorbenzene....	$Cl_3.(O.C_3H_5O) = 6.4.2.1$	,,	262·5–264·5 u.c.	Liquid	Daccomo	B., 18, 1163	48, 889
Phenyl dichlorpropionic acid	Ph.CHCl.CHCl.COOH	$C_9H_8Cl_2O_2$	....	162–164 d.	Erlenmeyer	B., 14, 1867	
Dichlorbenzylic acetate	$C_6H_3Cl_2(CH_2.OAc) = 1.4.?$	,,	259	....	Beilstein and Kühlberg	A., 147, 350	vi., 336
Ethylic dichlorbenzoate	$C_6H_3Cl_2.COOEt = 4.3.1$	,,	262–263	Liquid	,,	A., 152, 227	vi., 312
,, ,, ...	,, =4.2.1	,,	271 c.	Liquid	Beilstein	B., 8, 435, 813; A., 179, 283	28, 1194; 29, 587
Ethylic dichlorsalicylate	$C_6H_2Cl_2.OH.COOEt = (?)_2.2.1$	$C_9H_8Cl_2O_3$	....	47	Smith	B., 11, 1226	
Xylylic chloride	Me.Me.COCl = 1.2.4	C_9H_9ClO	234–236	25·5–26·5	Ador and Meier	B., 12, 1970	38, 252
Methylic phenylchloracetate	Ph.CHCl.COOMe	$C_9H_9ClO_2$	248 c.; p.d.	Liquid	Meyer and Boner	B., 14, 2392	
Chlorethylic benzoate	$Ph.COO.C_2H_4Cl$	,,	260–270	....	....	A., 113, 121	
α-Chlorhydratropic acid	$CH_2Cl.CHPh.COOH$	,,	....	*73–74*	Merling	A., 209, 20	40, 1143
β- ,, ,, ...	$CH_3CClPh.COOH$	,,	....	85	Ladenburg	B., 12, 948	
β- ,, ,, ...	,,	,,	....	*86–88*	Merling	A., 209, 4	40, 1143
β- ,, ,, ...	,,	,,	....	89	Spiegel	B., 14, 237	40, 277
Chlorphenylpropionic acid	$Cl.(CH_2.CH_2.COOH) = 1.2$	,,	....	96·5	Gabriel & Herzberg	B., 16, 2036; C. C. [1884], 35	44, 1123; 48, 661
,, ,, ...	,, =1.3	,,	....	77–78	,,	,,	,,
,, ,, ...	,, =1.4	,,	....	*124*	,,	,,	,,
,, ,, ...	,, ,,	,,	....	126	....	A., 147, 95	
Ethylic chlorbenzoate	COOEt.Cl = 1.2	,,	237–241	....	Emmerling	B., 8, 883	28, 1261
,, ,, ...	,, ,,	,,	*243*	....	....	A., 143, 96; 117, 153	
,, ,, ...	,, =1.3	,,	238–242	Liquid	Kekulé	R., 1861, 308	vi., 311
,, ,, ...	,, ,,	,,	*245*	....	Limpricht & Uslar	A., 102, 263	i., 555
Chlorbenzylic acetate	$C_6H_4Cl(CH_2.OAc) = 1.4$	,,	240	....	Neuhof	Z. C. [2], 3, 467	vi., 336
Phenyl chlorlactic acid	....	$C_9H_9ClO_3$	....	104	....	A., 147, 79	
,, ,, ,, ...	....	,,	$+H_2O$	78–80	....	,,	
Chlortropic acid	$CH_2(OH).CClPh.COOH$	,,	....	128–130	Ladenburg and Rügheimer	B., 13, 377	38, 472
Ethylic chlorsalicylate	COOEt.OH.Cl = 1.2.4 or 5	,,	....	110	Smith	B., 11, 1227	
p-Cresol chloral	$C_6H_4.Me.OH + CCl_3.COH$	$C_9H_9Cl_3O_2$	....	52–56	Mazzara	G. I., 13, 269	46, 187
Trichlorvalerolactic butyrchloralide	....	$C_9H_{10}Cl_6O_3$	300–310	84–86	....	A., 193, 48	
Phenyl chlorcarbinol ethyl oxide	Ph.CHCl.OEt	$C_9H_{11}ClO$	210–212	....	Hübner and Bente	B., 6, 805	27, 152
Chlorbenzyl ethyl oxide	$C_6H_4Cl(CH_2.OEt) = 1.4$	,,	....	Liquid	Jackson and White	B., 13, 1218	38, 879
,, ,, ,, ...	,, ,,	,,	....	Liquid	Jackson and Field	A. C. J., 2, 85	40, 808
,, ,, ,, ...	,, ,,	,,	215–218	Liquid	Neuhof	A., 147, 339	,,
,, ,, ,, ...	,, ,,	,,	*215–220*	Liquid	Naquet	As., 2, 251	v., 855
,, ,, ,, ...	,, ,,	,,	215–220	....	Beilstein and Kühlberg	A., 161, 335	vi., 336
α-Ethoxychlortoluene	$C_6H_3MeCl.OEt$	,,	210–220	Liquid	Wroblewsky	Z. C. [2], 6, 164; A., 168, 210	vii., 807; 27, 55
β- ,, ...	,,	,,	210–220	Liquid	,,	,,	,,
Anhydrocamphoronicchloride	....	$C_9H_{11}ClO_4$	....	130	Kachler & Spitzer	M. C., 6, 173	48, 808
Diethylic trichlorethylidenemalonate	$CCl_3.CH:C(COOEt)_2$	$C_9H_{11}Cl_3O_4$	160–164 (23)	Liquid	Kommenos	A., 218, 145	46, 423
Diethylic chlorethenyltricarboxylate	$COOH.CCl(COOEt).CH_2.COOEt$	$C_9H_{13}ClO_6$	205–215 (160)	....	Bischoff	A., 214, 44	44, 45
Isobutylic chlorangelacetate	....	$C_9H_{16}ClO_3$	235–240	....	Pinner and Klein	B., 11, 1497	36, 42

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diethylic ethylchlormalonate	$Et.CCl\,(COOEt)_2$	$C_9H_{15}ClO_4$	....	Liquid	Guthzeit	A., 209, 232	42, 39
" "	"	"	228	Liquid	Conrad	B., 14, 618	
Diethylic itachlorpyrotartarate	$C_3H_5Cl(COOEt)_2$	"	250–252 d.	Liquid	....	Z. C., 1866, 722	vi., 980
Parachlorpropaldehyde	....	$C_9H_{15}Cl_3O_3$	170–175 (12–15)	33·5	Grimaux & Adam	C. R., 92, 300	40, 406
Pelargongyl chloride	$C_8H_{17}.COCl$	$C_9H_{17}ClO$	220	....	Cahours	A. C. [3], 39, 207	iv., 371
Tetrachlornaphthaquinone	Cl_4 ; $O_2=\alpha_1\ \alpha_2\ \beta_1\ \beta_2$; $\alpha_1\ \alpha_2$	$C_{10}H_2Cl_4O_2$	....	160 u. c.	Claus and Lippe	B., 16, 1018	44, 921
Trichlornaphthaquinone	$C_{10}H_3Cl_3:O_2$	$C_{10}H_3Cl_3O_2$	....	250	Claus and Spruck	B., 15, 1404	42, 1211
"	"	"	....	250	Claus and Lippe	B., 16, 1017	
" $+xH_2O$	"	"	....	95	"	"	
" "	"	"	....	95	Claus and Spruck	B., 15, 1404	42, 1211
β-Dichlor-α-naphthaquinone	$C_{10}H_4Cl_2:O_2$	$C_{10}H_4Cl_2O_2$	....	152–153	Plagemann	B., 15, 485	
α- " -α- "	"	"	....	188	Carstanjen	B., 2, 633	
α- " -α- "	"	"	....	189	Plagemann	B., 15, 485	
α- " -α- "	"	"	....	*189*	Græbe	A., 149, 3	vi., 853
α- " -α- "	"	"	....	190	Darmstädter and Wichelhaus	B., 2, 114	
Chlor-α-naphthaquinone	$C_{10}H_5Cl:O_2$	$C_{10}H_5ClO_2$	....	109–111	Plagemann	B., 15, 485	
Chlorhydroxynaphthoquinone	$C_{10}H_4Cl(OH):O_2$	$C_{10}H_5ClO_3$	....	200	....	....	vi., 853
Dichlor-α-naphthaquinol	$C_{10}H_4Cl_2(OH)_2$	$C_{10}H_6Cl_2O_2$	....	135–140 d.	Græbe	A., 149, 6	vi., 857
Diacetyltetrachlorquinol	$C_6Cl_4(OAc)_2=(?)_4.4.1$	$C_{10}H_6Cl_4O_4$	....	245	"	A., 146, 20	vi., 988
α-naphthoic chloride	$C_{10}H_7.COCl$	$C_{10}H_7ClO$	297·5	Solid	Hofmann	....	vi., 851
Chlornaphthol	$C_{10}H_6.Cl.OH=\alpha_1;\ \alpha_2$	"	....	57	Claus and Oehler	B., 15, 314	42, 736
"	" $=?\beta$	"	....	68	Schall	B., 16, 1901	44, 1109
"	" $=?\alpha$	"	....	109	Grimaux	B. S. [2], 18, 208	26, 70
"	" $=?\beta$	"	....	115	Claus and Zimmermann	B., 14, 1484	40, 915
Mandelic chloralide	$Ph.CH.COO.CH(CCl_3)O$	$C_{10}H_7Cl_3O_3$	305–310 p.d.	59	Wallach	B., 9, 1215	31, 60
" "	....	"	305–310 d.	82–83	....	A., 193, 40	
Diacetyltrichlorquinol	$C_6HCl_3(OAc)_2=(?)_3.4.1$	$C_{10}H_7Cl_3O_4$	....	153	Græbe	A., 146, 28	vi., 988
?	....	$C_{10}H_8Cl_2O_2$	....	195–196	....	J. [1872], 424	
Diacetyl dichlorquinol	$(OAc)_2.Cl_2=1.4.2.5$	$C_{10}H_8Cl_2O_4$	....	138–140	Schulz	B., 15, 653	
" "	" "	"	....	*141*	Levy and Schultz	A., 210, 148	42, 509
" "	" $=1.4.3.5$	"	....	66·5	Levy	B., 16, 1445	44, 1117
Methoxyphenylacryl chloride	$C_6H_4.OMe.(C_2H_2.COCl)=1.4$	$C_{10}H_9ClO_2$	....	abt. 50	Perkin	J. [1877], 792	31, 410
Diacetyl chlorquinol	$(OAc)_2.Cl=1.4.$ 2 or 5	$C_{10}H_9ClO_4$	....	72	Levy and Schultz	B., 13, 1427	38, 888
" "	" "	"	....	*72*	"	A., 210, 140	42, 509
" "	" "	"	....	72	Schulz	B., 15, 654	
Chlormeconin	....	"	....	175	Anderson	A., 98, 48	iii., 863
Chloropianic acid	$C_6H.(COH).Cl.(OMe)_2.COOH$	$C_{10}H_9ClO_5$	....	210–211	Prinz	J. p., 24, 367	42, 403
Butyryl trichlorphenol	$(O.C_4H_7O).Cl_3=1.2.4.6$	$C_{10}H_9Cl_3O_2$	272–275 u. c.	Liquid	Daccomo	B., 18, 1163	48, 889
Pentachlorthymol	....	$C_{10}H_9Cl_5O$	....	98	Lallemand	A. C. [3], 49, 158	v., 795
Dichlornaphthalene acetochloride	$C_{10}H_8Cl_2.Cl_3.OAc$	$C_{10}H_9Cl_5O_2$	....	195	Widmann	B., 12, 1714	38, 47
Ethylic phenyldichloracetate	$Ph.CCl_2.COOEt$	$C_{10}H_{10}Cl_2O_2$	263–266	....	Claisen	B., 12, 630	36, 648
Glycerol benzodichlorhydrin	$C_3H_5Cl_2(OBz)$	"	222 (40–50)	....	....	A., 138, 298	
Dichlorthymoquinone	....	"	....	99	Andresen	J. p. [2], 23, 176	40, 590
Dichlornaphthydreneglycol	....	"	....	155–156	....	B. S., 18, 207; 19, 396	
Dichlorethoxyquinone	$C_6Cl_2(OEt)_2:O_2$	$C_{10}H_{10}Cl_2O_4$	....	107	Stenhouse	23, 6	vi., 989
Ethylic dichlororsellinate	$C_6Me.COOEt.(OH)_2Cl_2$	"	....	162	Hesse	A., 117, 315	iv., 237
Deriv. of Valeral	....	$C_{10}H_{10}Cl_4O$	208–210	....	Schroeder	B., 4, 401	24, 560; vii., 1195
Diethyl tetrachlorquinol	$C_6Cl_4(OEt)_2$	$C_{10}H_{10}Cl_4O_2$	....	112	Græbe	A., 146, 19	vi., 988
Chloranethol	$C_6H_4.C_3H_4Cl.OMe=1.4$	$C_{10}H_{11}ClO$	258	—6	Ladenburg	Z. C. [2], 5, 575; As., 8, 91	vi., 157; vii., 72
"	" "	"	228–230	3–4	Landolph	C. R., 82, 226	29, 705
Cuminyl chloride	$C_6H_4.Pr.COCl$	"	256–258	....	Cahours	A. C. [3], 23, 347	ii., 184
Benzylchlormalonamide ...	$CCl(CH_2Ph)(CONH_2)_2$	$C_{10}H_{11}ClO_2$	d. 210–220	abt. 80	Bischoff & Emmert	B., 15, 1113	42, 1208

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic chlortoluate	COOEt.Me.Cl=1.3.?	$C_{10}H_{11}ClO_2$	260–265	....	....	A., 144, 267	
Chlortolylpropionic acid	$(CH_2.CH_2.CO_2H)ClMe=1.2.4$	„	....	122–123	Gerichten	B., 11, 365	**34**, 570
Benzochlorhydrin	$C_3H_5(OH).Cl.(OC_7H_6O)$	$C_{10}H_{11}ClO_3$	....	—40	Berthelot	A. C. [3], 41, 302	**i.**, 547
Chlorhydroxythymoquinone	$C_6MePr^{\alpha}.OH.Cl:O_2$	„	....	122	Ladenburg and Engelbrecht	B., 10, 1222	**34**, 60
Trichlorthymol	$Me.Pr^{\alpha}.OH.Cl_3$	$C_{10}H_{11}Cl_3O$	250	45	....	A. C. [3], 49, 157	
„	„	„	....	61	....	„	**v.**, 795
Diethyltrichlorquinol	$C_6H(OEt)_2Cl_3=1.4.(?)_3$	$C_{10}H_{11}Cl_3O_2$	....	68·5	Græbe	A., 146, 28	**vi.**, 988
?	....	$C_{10}H_{12}Cl_2O$	....	98–99	Auwers	B., 17, 2978	**48**, 381
Diethylic dichlormuconate	$C_4H_2Cl_2(COOEt)_2$	$C_{10}H_{12}Cl_2O_4$	....	95–96	Bell	B., 12, 1273	
Deriv. of Valeral	....	$C_{10}H_{12}Cl_6O$	203–204	....	Schroeder	B., 4, 401	**24**, 559
Trichlorcamphor	....	$C_{10}H_{13}Cl_3O$	....	54	Cazeneuve	C. R., 99, 609	**48**, 59
Dichlorcamphor	....	$C_{10}H_{14}Cl_2O$	263 d.	93	„	C. R., 94, 730	**42**, 738
„	....	„	....	96	Cazeneuve & Didelot	C. R., 94, 1058	**42**, 864
„	Isomer	„	....	77; sf. 70	Cazeneuve	C. R., 94, 1360	**42**, 1107
Chlorcamphor	....	$C_{10}H_{15}ClO$	244–247	83–84	„	C. R., 94, 1530; 99, 609	**44**, 214; **48**, 58
„	....	„	....	93–94	Schiff and Puliti	B., 16, 888	
„	....	„	244–247 s. d.	100; sf. 95	Cazeneuve	C. R., 95, 1358	**44**, 599
„	....	„	....	95	Wheeler	S. J. [2], 45, 48	**vi.**, 387
Chlorhexylene diacetate	$C_6H_9Cl(OAc)_2$	$C_{10}H_{15}ClO_4$	140 (20)	Liquid	Natterer	M. C., 5, 567	**48**, 498
Triethylic chlormethintricarboxylate	$CCl(COOEt)_3$	$C_{10}H_{15}ClO_6$	210 (140)	....	Conrad	B., 14, 618	**40**, 577
Camphor dichloride	....	$C_{10}H_{16}Cl_2O$	....	70	Pfaundler	B., 11, 364	**34**, 586
„ „	....	„	....	150–155	Spitzer	„	„
„ „	....	„	....	155–155·5	„	B., 11, 1819	**36**, 168
Campholic chloride	$C_9H_{17}.COCl$	$C_{10}H_{17}ClO$	222–226	....	....	A., 126, 265	
?	....	$C_{10}H_{18}Cl_2O_3$	....	98	Kekulé	A., 162, 102, 309	**vii.**, 34; **25**, 617
Capryl chloride	$C_9H_{19}.COCl$	$C_{10}H_{19}ClO$	200–220	Liquid	Grimm	A., 157, 272	**24**, 361; **vii.**, 249
Hydrochloride of worm seed oil	$C_{10}H_{18}O.HCl$	„	....	30–35	Hell and Ritter	B., 17, 1977	**46**, 363
Octylene acetochlorhydrin	$C_8H_{16}Cl.OAc$	$C_{10}H_{19}ClO_2$	225	....	Clermont	A., 152, 322	**vi.**, 880
Isovaleraldehyde +2HCl	$(C_5H_{10}Cl)_2O$	$C_{10}H_{20}Cl_2O$	180	....	Bruylants	B., 8, 414	
Terpenehydratedihydrochloride	....	$C_{10}H_{20}Cl_2O(?)$	....	49	Flavitzky	B., 12, 2355	**38**, 403
Diglycerol diethylchlorhydrin	$O:(C_3H_5)(OEt)_2(OH)Cl$	$C_{10}H_{21}ClO_4$	285	....	Reboul & Lourenço	C. R., 52, 401	**ii.**, 894
Dichlor-β-naphthoic acid	$C_{10}H_5Cl_2.COOH$	$C_{11}H_6Cl_2O_2$	....	291	Ekstrand	B., 17, 1605	**46**, 1361
α-Naphthoyl chloride	$C_{10}H_7.COCl=\alpha$	$C_{11}H_7ClO$	297·5	Liquid	Hofmann	B., 1, 41	
β- „ „	„ $=\beta$	„	304–306	43	Weith	A., 180, 317	**30**, 86
Dichloroxysacchulmide ...	....	$C_{11}H_8Cl_2O_6$	....	d.w.m. 200	Sestini	G. I. [1882], 292	**42**, 1182
Ethylic acetylchlormecenate	AcO.C_5ClO (COOH) (COOEt)	$C_{11}H_9ClO_7$	....	70	Hilsebein	J. p. [2], 32, 129	**48**, 1203
Diacetyltrichlortoluquinol	$C_6MeCl_3(OAc)_2$	$C_{11}H_9Cl_3O_4$	....	114	Borgmann	A., 152, 253	**vi.**, 1106
Diacetyl-m-dichlortoluquinol	$C_6HMeCl_2(OAc)_2$	$C_{11}H_{10}Cl_2O_4$	....	122–124	Southworth	A., 168, 271	**27**, 62
Valeryltrichlorphenol	$(O.C_5H_9O).Cl_3=1.2.4.6$	$C_{11}H_{11}Cl_3O_2$	281–284 u.c.	Liquid	Daccomo	B., 18, 1163	**48**, 889
Isobutylic dichlorsalicylate....	$COOBu^{\beta}.OH.Cl_2=1.2.(?)_2$	$C_{11}H_{12}Cl_2O_3$	....	188	Smith	B., 11, 1226	
Diethyltrichlortoluquinol	$C_6MeCl_3(OEt)_2$	$C_{11}H_{13}Cl_3O_2$	....	107	Borgmann	A., 152, 254	**vi.**, 1106
Camphocarboxylic chloride....	$C_{10}H_{14}.OH.COCl$	$C_{11}H_{15}ClO_2$	....	44	Kachler and Spitzer	B., 13, 1413	**38**, 892
Triethylic chlorethenyltricarboxylate	$C_2H_2Cl(COOEt)_3$	$C_{11}H_{17}ClO_6$	290 p.d.	....	Bischoff	B., 13, 2162	**40**, 156
Glycerolchloracetyltriacetin	$C_3H_5(OAc)_3.AcCl$	$C_{11}H_{17}ClO_7$	240 (20)	...	....	Z. C. [1866], 513	
Triglycerolacetotetrachlorhydrin	$O_2(C_3H_5)_3(OAc)Cl_4$	$C_{11}H_{18}Cl_4O_4$	230 (20)	....	....	„	
Diethylic isobutylchlormalonate	$C_4H_9.CCl(COOEt)_2$	$C_{11}H_{19}ClO_4$	*245*	....	Conrad and Bischoff	B., 13, 600	**38**, 629
„ „	„	„	245–247	....	Guthzeit	A., 209, 237	**42**, 40
Octochlordiphenol	$C_{12}Cl_8(OH)_2$	$C_{12}H_2Cl_8O_2$	....	233·5–234·5	Weber & Söllscher	B., 16, 884	
Tetrachlor-γ-diphenol	$C_6H_2Cl_2(OH).C_6H_2Cl_2(OH)$	$C_{12}H_6Cl_4O_2$	....	233	Magati	B., 13, 227	**38**, 644
Tetrachlorquinhydrone +$2H_2O$	....	$C_{12}H_6Cl_4O_4$	....	120	....	A., 69, 316	
From naphthalene	$C_{10}H_6Cl_2(OAc).Cl_3$	$C_{12}H_9Cl_5O_2$	....	195	Widmann	B., S. [2], 28, 507	**32**, 900
Diethylic tetrachlorphthalate	$C_6(COOEt)_2.Cl_4=1.2.3.4.5.6$	$C_{12}H_{10}Cl_4O_4$	....	60	Græbe	B., 16, 861	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diethylic tetrachlorphthalate	$C_6Cl_4.COO.C(OEt)_2 = 1.2.(?)_4$	$C_{12}H_{10}Cl_4O_4$	....	124	Græbe	B., 16, 861	
Cumenylacrylchloride	$C_6H_4.Pr(C_2H_2.COCl$	$C_{12}H_{13}ClO$	....	abt. 25	Perkin	J. [1877], 790	**31**, 399
Diethylic chlorisophthalate....	$(COOEt)_2.Cl = 1.3.5$	$C_{12}H_{13}ClO_4$	....	abt. 45	Baeyer	J. p. [2], 25, 514	**42**, 1296
Thymol chloral	$C_6H_3.Me.Pr.OH + CCl_3.COH$	$C_{12}H_{15}Cl_3O_2$	....	130–134	Mazzara	G. I., 13, 269	**46**, 187
?	....	$C_{12}H_{25}ClO_4$	275–285	....	....	A. C. [3], 67, 310	
Lauryl chloride	$C_{11}H_{23}.COCl$	$C_{12}H_{23}ClO$	142·5 (15)	—17	Krafft and Bürger	B., 17, 1378	**46**, 1125
Dichlordiphenylene ketone....	$C_6H_3Cl.CO.C_6H_3Cl = 1.4.5$; 5.4.1	$C_{13}H_6Cl_2O$ (?)	....	103–104	Hodgkinson and Matthews	43, 171	
" "	" "	"	....	158	"	43, 170	
Benzoxytrichlorphenol	$OBz.Cl_3 = 1.2.4.6$	$C_{13}H_7Cl_3O_2$	....	70	Daccomo	B., 18, 1164	**48**, 889
Chlordiphenyl ketone	$Ph.CO.C_6H_4Cl$	$C_{13}H_9ClO$	a. 300	75·5–76	Kollarits and Merz	B., 6, 547	vii., 939; **26**, 1036
Benzoxychlorbenzene	$C_6H_4Cl.OBz$	$C_{13}H_9ClO_2$	....	87	....	A., 53, 96	i., 554
Ethylic dichlor-β-naphthoate	$C_{10}H_5Cl_2.COOEt.$	$C_{13}H_{10}Cl_2O_2$	....	66	Ekstrand	B., 17, 1605	**46**, 1362
Benzyloxychlorbenzene	$C_6H_5.CH_2.O.C_6H_4.Cl$	$C_{13}H_{11}ClO$	....	70–71	....	A., 161, 345	vii., 180
"	"	"	....	*71–71·5*	Sintenis	B., 4, 700	**24**, 909
Ethylic chlor-α-naphthoate....	$C_{10}H_6Cl.COOEt$	$C_{13}H_{11}ClO_2$	....	42	Ekstrand	B., 17, 1604	**46**, 1361
Chlorhydrin of ethylic aceto-benzilidene acetate	$CHPhCl.CHAc.COOEt$ or $CH_2Ph.CAcCl.COOEt$	$C_{13}H_{15}ClO_3$	....	41	Claisen & Matthews	A., 218, 170	**46**, 443
" "	"	"	...	71	"	"	"
Penta-chloranthraquinone	....	$C_{14}H_3Cl_5O_2$	....	w.m.	Diehl	B., 11, 181	**34**, 430
Tetra- "	....	$C_{14}H_4Cl_4O_2$	....	320–330	"	B., 11, 180	**34**, 429
" "	$C_6Cl_4:(CO)_2:C_6H_4$	"	....	191	Kircher	B., 17, 1167	**46**, 1039, 1040
Tetrachloralizarin	$C_{14}H_2Cl_4(OH)_2:O_2$	$C_{14}H_4Cl_4O_4$	....	260	Diehl	B., 11, 189	
Trichloranthraquinone	....	$C_{14}H_5Cl_3O_2$	....	284–290	"	B., 11, 180	**34**, 429
Pentachloroxytolidene	....	$C_{14}H_5Cl_5O_2$	....	187–190	....	A., 153, 128	
Dichloranthraquinone	....	$C_{14}H_6Cl_2O_2$	....	261	Kircher	B., 17, 1169	**46**, 1040
Dichloralizarin	$C_{14}H_4Cl_2(OH)_2:O_2$	$C_{14}H_6Cl_2O_4$	....	208–210	Diehl	B., 11, 188	**34**, 428
Acetyloctochlordiquinol	$C_6Cl_4(OH)_2.C_6Cl_4(OAc)(OH)$	$C_{14}H_6Cl_8O_5$	....	230	Hesse	A., 114, 294	iii., 216
Chloralizarin	$C_{14}H_5Cl(OH)_2:O_2$	$C_{14}H_7ClO_4$	....	244–248	Diehl	B., 11, 187	**34**, 428
Trichlorxytolidene	....	$C_{14}H_7Cl_3O_2$	....	87	....	A., 153, 128	
Anthraquinone dichloride	$C_6H_4.CO.C_6H_4.CCl_2$	$C_{14}H_8Cl_2O$	....	132–133	Thörner and Zincke	B., 10, 1479	**34**, 231
Phenanthradichlorketone	$C_6H_4.C_6H_4.CO.CCl_2$	"	....	165	Lachowicz	B., 16, 331	**44**, 667
Octochlorethyldiquinol	$C_6Cl_4(OH)_2.C_6Cl_4(OEt)(OH)$	$C_{14}H_8Cl_8O_4$	....	236	Hesse	A., 114, 292	iii., 216
Chlorphenanthrene	....	$C_{14}H_9ClO$	....	122–123	Lachowicz	J. p. [2], 28, 168	**46**, 82
Chloroxytolidene	...	$C_{14}H_9ClO_2$	....	57–58	....	A., 153, 127	
Benzoylbenzenyl trichloride	$C_6H_4.Bz.CCl_3 = 1.4$	$C_{14}H_9Cl_3O$	....	107–107·5	Thörner	B., 9, 483	**30**, 198
" "	" "	"	....	*111–111·5*	"	A., 189, 92	**34**, 68
Benzoylbenzylene dichloride	$C_6H_4.Bz.CHCl_2 = 1.4$	$C_{14}H_{10}Cl_2O$	....	*94–95*	"	B., 9, 483	**30**, 197
" "	" "	"	....	a.s. 85–86	"	A., 189, 91	**34**, 68
Chlorbenzil	....	"	....	71	Zinin	A., 119, 177	vi., 305
Dichlordiacetoxynaphthalene	$C_{10}H_4Cl_2(OAc)_2$	$C_{14}H_{10}Cl_2O_4$	....	236	Græbe	A., 149, 7	vi., 857
Benzoylbenzyl chloride	$C_6H_4.Bz.CH_2Cl = 1.4$	$C_{14}H_{11}ClO$	....	*97–98*	Thörner	B., 9, 482	**30**, 197
" "	" "	"	....	a.s. 93–94	"	A., 189, 89	**34**, 68
Chlorbenzilic acid	....	$C_{14}H_{11}ClO_2$	270	....	Cahours	A. C. [3], 23, 350	i., 915
Diphenoltrichlorethane	$CCl_3.CH(C_6H_4.OH)_2$	$C_{14}H_{11}Cl_3O_2$	....	202 d.	Meer	B., 7, 1201	**28**, 158
Tetracetoxydichlorbenzene....	$C_6Cl_2(OAc)_4$	$C_{14}H_{12}Cl_2O_8$	....	235	Græbe	A., 146, 34	vi., 990
Diacetoxydichlordihydro-naphthalene	$C_{10}H_6Cl(OAc)_2$	$C_{14}H_{14}Cl_2O_4$	....	130–131	Grimaux	B. S. [2], 18, 208	**26**, 69
Diethylic benzylchlormalonate	$(Ph.CH_2.CCl(COOEt)_2$	$C_{14}H_{17}ClO_4$	305 p.d.	Liquid	Conrad	B., 13, 2159	**40**, 168
Chlorthymyldiacetate	$C_6HClMePr(OAc)_2$	"	....	87–88	Schulz	B., 15, 657	**42**, 838
Ostruthin hydrochloride	$C_{14}H_{17}O_2.HCl$	$C_{14}H_{18}ClO_2$(?)	....	100	Gorup-Besanez	A., 183, 321	**31**, 717
Anthraquinone carboxyl chloride	$C_{14}H_7:O_2.COCl$	$C_{15}H_7ClO_3$	....	147	Liebermann and Glock	B., 17, 889	**46**, 1188
Benzylidenephenyl ketone hydrochloride	$CHPhCl.CH_2.CO.Ph$ or $CH_2Ph.CHCl.CO.Ph$	$C_{15}H_{13}ClO$	quick heat slow heat	119–120 110–112	Claisen and Claparède	B., 14, 2464	**42**, 512
Trichlorsantonin	...	$C_{15}H_{15}Cl_3O_3$	....	213	....	B. S., 5, 202	v., 191

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Metasantonic chloride	....	$C_{15}H_{19}ClO_3$	....	139	Cannizzaro and Valente	G. I., 8, 309	**36**, 331
Santonic chloride	....	”	....	170–171	”	”	”
Alantic chloride	$C_{14}H_{20}(OH).COCl$	$C_{15}H_{21}ClO_2$	....	140 d.	Kallen	B., 9, 156	**29**, 917
Myristyl chloride	$C_{14}H_{27}.COCl$	$C_{15}H_{27}ClO$	168 (15)	−1	Krafft and Bürger	B., 17, 1379	**46**, 1125
Cimicyl chloride	....	”	....	abt. 44	Carius	A., 114, 154	**i.**, 964
Dichlordiphthalyl	....	$C_{16}H_6Cl_2O_4$	....	248	Ador	A., 164, 245	**26**, 68; **vii.**, 980
Dicacetoxyoctochlordiphenyl	$C_6Cl_4(OAc).C_6Cl_4(OAc)$	$C_{16}H_6Cl_8O_4$	....	193–194	Weber & Söllscher	B., 16, 885	
Dichlor-α-naphthylene phenylene oxide	fr. $C_6H_4.O.C_{18}H_6$	$C_{16}H_8Cl_2O$	....	245	Arx	B., 13, 1727	**40**, 282
Diphthalyldichloride	$(.CCl.C_6H_4.CO.O)_2=(1.2)_2$	$C_{16}H_8Cl_2O_4$	....	245	Græbe and Schmalzigang	A., 228, 126	**48**, 798
?	....	$C_{16}H_9Cl_3O_5$	....	17	Ador	A., 164, 229	**26**, 69; **vii.**, 981
Hydropiperoïn chloride	$C_7H_5O_2.CHCl.CHCl.C_7H_5O_2$	$C_{16}H_{12}Cl_2O_4$	....	198	Remsen and Fittig	A., 159, 132	**vi.**, 949; **24**, 935
?	....	$C_{16}H_{12}Cl_4O_2$	....	109–110	....	A., 195, 371	
Ethyloxanthranyl chloride	$C_6H_4.CO.C_6H_4.CClEt$	$C_{16}H_{13}ClO$	....	88–89	Liebermann and Landshoff	B., 14, 459	**40**, 609
” ”	”	”	....	88–89	Liebermann	A., 212, 87	**42**, 862
α-compound	....	$C_{16}H_{13}ClO_2$	....	117	Städel	B., 9, 1759; 13, 836	**31**, 459
β- ”	....	”	....	154–155	”	”	”
Carboxylphenylmethyltrichlorethane	$Me.C_6H_4.C_2HCl_3.C_6H_4.COOH$	$C_{16}H_{13}Cl_3O_2$	....	173–174	Fischer	B., 7, 1192	**28**, 155
Dichlorhydrocœrulignone	$C_{12}H_2Cl_2(OMe)_4(OH)_2$	$C_{16}H_{16}Cl_2O_6$	....	220	Hayduck	B., 9, 929	**30**, 516
Dulcitol aceto-chlorhydrin	....	$C_{16}H_{23}ClO_{10}$	....	160	....	A. C. [4], 27, 154	
Tetrethylic chlorethyl acetylene tetracarboxylate	$(COOEt)_2CCl.CEt(COOEt)_2$	$C_{16}H_{25}ClO_8$	d.	Liquid	Bischoff and Rach	B., 17, 2786	**48**, 244
Palmityl chloride	$C_{15}H_{31}.COCl$	$C_{16}H_{31}ClO$	192·5 (15) s.d.	*12*	Krafft and Bürger	B., 17, 1379	**46**, 1125
” ”	”	”	....	50	Villier	B., 9, 1932	
Cetene chlorhydrin	$C_{16}H_{32}Cl(OH)$	$C_{16}H_{33}ClO$	abt. 300	b.—15	Carius	A., 126, 201	**vi.**, 421
Leucogallol $+2H_2O$	....	$C_{18}H_6Cl_{12}O_{12}$	....	104 d.	Stenhouse & Groves	A., 179, 240	**28**, 709
Mairogallol	....	$C_{18}H_7Cl_{11}O_{10}$	....	109 p.d.	”	A., 179, 237	**28**, 707
Phthalyltrichlorphenol	$C_6H_4{:}O_2{:}(O.C_6H_2Cl_3)_2=1.2;(1.2.4.6)_2$	$C_{18}H_8Cl_6O_4$	....	193–194	Daccomo	B, 18, 1164	**48**, 889
Chlordehydrobenzoylacetic acid	$CCl{:}C{:}CPh.O.CPh{:}C.COOH$	$C_{18}H_{11}ClO_3$	....	150–151	Perkin	47, 293	
Tetrachlorhydropolyporic acid	....	$C_{18}H_{14}Cl_4O_4$	....	108	....	A., 195, 372	
Diacetoxyphenyltrichlorethane	$CCl_3.CH(C_6H_4.OAc)_2$	$C_{18}H_{15}Cl_3O_4$	....	138	Fischer	B., 7, 1202	**28**, 158
From benzoic ether	....	$C_{19}H_{16}Cl_6O_3$	188–190	....	Malaguti	A. C. [2], 70, 374	**i.**, 567
Isobutyl oxanthranyl chloride	$C_6H_4.CO.C_6H_4.CClBu^{\beta}$	$C_{18}H_{17}ClO$	....	78	Liebermann	A., 212, 87	**42**, 862
” ” ”	”	”	....	78	Liebermann and Walder	B., 14, 463	**40**, 610
?	....	$C_{18}H_{17}ClO_3$	....	57	Limpricht and Schwanert	A., 160, 177	**25**, 137
Tetrachlorcarotin	....	$C_{18}H_{20}Cl_4O$	....	120	....	A., 117, 228	
Dichloroleïc acid	....	$C_{18}H_{32}Cl_2O_2$	begins 190	....	Lefert	J. Ph. [3], 24, 113	**iv.**, 194
Stearyl chloride	$C_{17}H_{35}.COCl$	$C_{18}H_{35}ClO$	215 (15) d.	23	Krafft and Bürger	B., 17, 1380	**46**, 1126
Isoamyl oxanthranyl chloride	$C_6H_4.CO.C_6H_4.CCl.C_5H_{11}$	$C_{19}H_{19}ClO$	....	85	Liebermann and Landshoff	B., 14, 459	**40**, 609
Dichlor-α-dinaphthalene oxide	....	$C_{20}H_{10}Cl_2O$	....	150–151	Knecht & Unzeitig	B., 13, 1725	
” -β- ”	....	”	....	245	”	B., 13, 1726	**40**, 281
Fluoresceïn chloride	$C_6H_4{:}(CO.C_6H_3Cl)_2{:}O$	$C_{20}H_{10}Cl_2O_3$	....	*252*	Baeyer	A., 183, 18	**31**, 198
” ”	”	”	....	252 u.c.	Fischer	B., 7, 1212	**28**, 159
Dibenzoyltetrachlorquinol	$C_6Cl_4(OBz)_2=1.2.4.5.3.6$	$C_{20}H_{10}Cl_4O_4$	....	230	Levy and Schultz	B., 13, 1429	**38**, 888
”	” ”	”	....	*233*	”	A., 210, 156	**42**, 510
” trichlororesorcinol	$C_6HCl_3(OBz)_2=(?)_2.4.3.1$	$C_{20}H_{11}Cl_3O_4$	....	133	Reinhard	J. p. [2], 17, 346	**34**, 727
” trichloroquinol	” $=5.3.2.4.1$	”	....	174	Levy and Schultz	B., 13, 1429	**38**, 888
” ”	” ”	”	....	174	”	A., 210, 153	**42**, 510

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Dichlorphenylanthranol	....	$C_{20}H_{12}Cl_2O$	....	abt. 170	Baeyer	A., 202, 95	**38**, 656
Phenol phthaleïn chloride	$C_6H_4(CO.C_6H_4Cl)_2$	$C_{20}H_{12}Cl_2O_2$	....	155–156	"	B., 9, 1233	**31**, 308
" phthalidein chloride	see B., 9, 1238	"	....	156	"	B., 9, 1236	**31**, 309
Phthalin of fluoresceïn chloride	$O(C_6H_3Cl)_2 : CH.C_6H_4.COOH$ $=(1.?.?)_2$; 1.2	$C_{20}H_{12}Cl_2O_3$	....	*226*	"	A., 212, 352	**42**, 1097
" " "	" "	"	....	229–230 u.c.	Fischer	B., 7, 1213	**28**, 159
" " "	....	"	....	229–230	Baeyer	A., 183, 21	**31**, 198
Dibenzoyl-dichlorquinol	$(OBz)_2.Cl_2$=1.4.3.5	$C_{20}H_{12}Cl_2O_4$	....	105	Levy	B., 16, 1446	**44**, 1117
" "	" =1.4.3.2 or 6	"	....	185	....	A., 210, 149	
" -dichlororesorcinol	" $=1.3.(?)_2$	"	....	127	Reinhard	J. p. [2], 17, 335	**34**, 726
" -chlororesorcinol	$(OBz)_2.Cl$=1.3.?	$C_{20}H_{13}ClO_4$	....	98	"	J. p. [2], 17, 327	"
" -chlorquinol	" =1.4.5	"	....	130	Levy and Schultz	B., 13, 1428	**38**, 888
" "	" "	"	....	130	"	A., 210, 142	**42**, 509
Phenol hydrophthalidin chloride	$C_6H_3Cl.CH(OH).C_6H_4.CH.C_6H_4Cl$	$C_{20}H_{14}Cl_2O$	....	56	Baeyer	A., 202, 97	**38**, 656
Dichlortriphenylmethane carboxylic acid	$(C_6H_4Cl)_2CH.C_6H_4.COOH$	$C_{20}H_{14}Cl_2O_2$	....	195	"	A., 202, 84	**38**, 655
" " "	"	"	....	*205–206*	"	"	"
?	....	$C_{20}H_{15}Cl_3O_2$	....	137	Liebermann	B., 6, 953	**28**, 1242 ; **vii.**, 1061
Dichloracetyl-hydrocœrulignone	$C_{12}H_2Cl_2(OMe)_4(OAc)_2$	$C_{20}H_{20}Cl_2O_8$	....	172	Hayduck	B., 9, 929	**30**, 516
Arachidyl chloride	$C_{19}H_{39}.COCl$	$C_{20}H_{39}ClO$	....	66–67	Tassinari	B., 11, 2031	**36**, 307
Benzene resorcinphthaleïn $+CHCl_3$	$C_6H_3(OH)_2CPh.C_6H_4.COO$	$C_{21}H_{15}Cl_3O_4$	Cryst.(fr. $CHCl_3$)	113–114	Pechmann	B., 14, 1860	
Glycerol stearochlorhydrin	$C_3H_5(C_{16}H_{35}O)Cl(OH)$	$C_{21}H_{41}ClO_3$	....	28	Berthelot	A. C. [3], 41, 225	**v.**, 425
Dithymol trichlorethane	$CCl_3.CH(C_6H_2Me.Pr.OH)_2$	$C_{22}H_{27}Cl_3O_2$	$+C_2H_6O$	194	Jäger	B., 7, 1197	**31**, 262
Naphthalfluoresceïn dichloride	....	$C_{24}H_{12}Cl_2O_3$	....	283	Terrisse	A., 227, 133	**48**, 667
Dibenzoxydichlortetrahydronaphthalene	$C_{10}H_4.H_4.(OBz)_2.Cl_2$	$C_{24}H_{18}Cl_2O_4$	....	148–150	....	B. S., 18, 208	
Dibenzoyldichlorthymoquinol	$C_6Cl_2Me.Pr.(OBz)_2$	$C_{24}H_{20}Cl_2O_4$	....	190–191	Schulz	B., 15, 658	**42**, 838
Dibenzoylchlorthymoquinol	$C_6HCl.Me.Pr.(OBz)_2$	$C_{24}H_{21}ClO_4$	....	116–118	"	"	
?	....	$C_{24}H_{25}ClO_4$	184–186	Liquid	Boquillon	J. P. [5], 11, 654	**48**, 962
Dithymoltrichlorethane	$CCl_3.CH(C_6H_2MePr.OH)_2 + C_2H_6O$	$C_{24}H_{33}Cl_3O_3$	....	194	Jäger	B., 7, 1197	**31**, 262
Lignocerylchloride	$C_{22}H_{47}.COCl$	$C_{24}H_{47}ClO$	....	48–50	Hell and Hermann	B., 13, 1720	**40**, 250
Diacetyl dichlorcatechin	$C_{21}H_{16}Cl_2O_7(OAc)_2$	$C_{25}H_{22}Cl_2O_{11}$	....	169	Liebermann and Tauchert	B., 13, 695	**40**, 53
Heptachlorcholesterin	....	$C_{26}H_{37}Cl_7O$	....	60	....	A., 59, 110	
Octochlorlepidine	....	$C_{28}H_{12}Cl_8O$	....	97	Dorn	Z. C. [2], 5, 597	**vi.**, 781
Hexa- "	....	$C_{28}H_{14}Cl_6O$	....	80–90	"	A., 155, 356	"
Penta- "	....	$C_{28}H_{15}Cl_5O$	....	186	"	A., 155, 355	"
Chloride of diphenic anhydride	....	$C_{28}H_{16}Cl_2O_5$	....	128	Græbe and Mensching	B., 13, 1304	**38**, 812
Dichlorlepidine	....	$C_{28}H_{18}Cl_2O$	....	156	Dorn	Z. C., 2 [5], 597	**vi.**, 781
"	....	"	....	169	Zinin	B., 5, 1106	**26**, 489
Isodichlorlepidine	....	"	....	166	"	B., 8, 696	**28**, 1005
Dichloroxylepidine	....	$C_{28}H_{18}Cl_2O_2$	....	178	Dorn	Z. C., 2 [5], 597	**vi.**, 781
"	....	"	....	202	Zinin	B., 5, 1106	**26**, 489
"	....	"	....	230	"	B., 8, 696	**28**, 1005
Chlorlepidine	....	$C_{28}H_{19}ClO$	....	143–146	Dorn	A., 153, 355	
Chloroxylepidine	....	$C_{28}H_{19}ClO_2$	....	185	Zinin	B., 5, 1105	**26**, 489
Hydrodichloroxylepidine	....	$C_{28}H_{20}Cl_2O_2$	....	261	"	B., 8, 696	**28**, 1005
Dichloroxylepidine	....	$C_{28}H_{20}Cl_2O_3$	....	182	"	"	"
From Isohydrobenzoin anhydride	....	$C_{28}H_{23}ClO$	....	153	Breuer and Zincke	A., 198, 168	**38**, 117
" " "	....	$C_{28}H_{24}Cl_2O(?)$	....	87 (?)	" "	"	"
From quassin	....	$C_{32}H_{39}Cl_5O_8$	....	119d.	Oliveri and Denaro	G. I., 15, 6	**48**, 907
Glyceroldipalmitochlorhydrin	$C_3H_5.Cl.(O.C_{16}H_{31}O)_2$	$C_{35}H_{67}ClO_4$	....	44	Villier	B., 9, 1933	
Tetrachlorabietic acid	....	$C_{44}H_{60}Cl_4O_5$	....	124	....	J., 1861, 391	
Chlorobastin	....	$C_aH_bCl_cO_d$	....	b. 100	Cross and Bevan	41, 109	

(4.) CHClS, CHClSe, and CHClTe.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dichlorthiophene	....	$C_4H_2Cl_2S$	170	....	Weitz	B., 17, 795	46, 1130
Octochlorethyl sulphide	$(C_2HCl_4)_2S$	$C_4H_2Cl_8S$	160 p.d.	....	Riche	A. C. [3], 43, 297	ii., 546
„ „	„	„	160 p.d.	....	Regnault	A. C. [2], 71, 406	
„ „	....	„	217–222	....	Riche	A., 92, 360	
Chlorthiophene	....	C_4H_3ClS	130	....	Weitz	B., 17, 794	46, 1130
Hexachlorethyl sulphide	$(C_2H_2Cl_3)_2S$	$C_4H_4Cl_6S$	189–192	....	Riche	A., 92, 359	ii., 545
Tetrachlorethyl sulphide	$(C_2H_3Cl_2)_2S$	$C_4H_6Cl_4S$	167–172	....	„	A. C., 43, 297	„
Chlorphenylsulphhydrate	$C_6H_4Cl.SH$	C_6H_5ClS		53–54	Glutz	A., 143, 109	vi., 919
Dichlor-β-ethylthiophene ...	$C_4SHCl_2.Et$	$C_6H_6Cl_2S$	235–237c	Liquid	Bonz	B., 18, 551	48, 767
Chlorbenzyl sulphhydrate	$C_6H_4Cl(CH_2.SH)=1.4$	C_7H_7ClS	....	19(?); 19–20	Jackson and White	B., 13, 1218; A. C. J., 2, 167	38, 879; 40, 807
„ „	„ „	„	....	77–78	Beilstein	A., 161, 348	
„ „	„ „	„	....	84–85	„	„	
„ „	„ „	„	....	*84–85*	Neuhof	A., 147, 346	
Dithienyl dichlorethylene	$CCl_2:C(C_4H_3S)_2$	$C_{10}H_6Cl_2S_2$	....	Liquid	Peter	B., 17, 1343	46, 1001
„ trichlorethane	$CCl_3.CH(C_4H_3S)_2$	$C_{10}H_7Cl_3S_2$	....	76	„	B., 17, 1342	„
?	....	$C_{10}H_{20}Cl_2S_2$	240–250	....	Guthrie	A., 121, 108	v., 1077
Dichlorphenyl sulphide	$(C_6H_4Cl)_2S$	$C_{12}H_8Cl_2S$	....	88–89	Krafts	B., 7, 1165	28, 153
Dichlorphenyl disulphide	$(C_6H_4Cl)_2S_2$	$C_{12}H_8Cl_2S_2$	....	71	Glutz	A., 143, 111	vi., 919
Chlorbenzyl sulphide	$(C_6H_4Cl.CH_2)_2S=?$	$C_{14}H_{12}Cl_2S$	....	Liquid	Pauly	A., 167, 187	
„ „	„ $=(1.4)_2$	„	....	42	Jackson and White	B., 13, 1217	38, 879
„ disulphide	$(C_6H_4Cl.CH_2)_2S_2=(1.4)_2$	$C_{14}H_{12}Cl_2S_2$	....	59	„	A. C. J., 2, 166	40, 807
Dichlorthionessal	....	$C_{28}H_{18}Cl_2S$	....	219	Dorn	A., 153, 351	vi., 1087
Dimethyl selenio-dichloride	Me_2SeCl_2	$C_2H_6Cl_2Se$	d. 70	59·5	Jackson	B., 8, 110	28, 553
Dimethyl telluro-dichloride	Me_2TeCl_2	$C_2H_6Cl_2Te$	....	97·5	Wöhler and Dean	A., 93, 233	iii, 992

(5.) CHClN.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trichlorguanidine	....	$CH_2Cl_3N_3$	....	115–120	Beilstein and Kurbatow	B., 7, 731	27, 1097
Methyl nitrogen dichloride....	$CH_3.NCl_2$	CH_3Cl_2N	59–60 u.c.	Liquid	Köhler	B., 12, 771	36, 781
Formamidine hydrochloride	$NH:CH.NH_2+HCl$	CH_5ClN_2	....	81	Gautier	A., 145, 118	
„ „	„	„	....	*81*	Claisen & Matthews	B., 16, 310	41, 266
Methylamine hydrochloride .	$NH_2Me+HCl$	CH_6ClN	....	abt. 100	Wurtz	C.R., 28, 223 & 322	iii., 997
Dichloracetonitril	$CHCl_2.CN$	C_2HCl_2N	112–113	....	Bisschopinck	B., 6, 732	26, 1128
„	....	$(C_2HCl_2N)_n$	....	69–70	Weddige & Körner	J. p. [2], 31, 176	48, 739
Chloracetonitril	$CH_2Cl.CN$	C_2H_2ClN	126–127 p.d.	....	Engler	B., 6, 1003	27, 76
„	„	„	*123–124*	....	Bisschopinck	B., 6, 732	26, 1128
Ethyl nitrogen dichloride	$C_2H_5.NCl_2$	$C_2H_5Cl_2N$	91	....	Wurtz	A. C. [3], 30, 474	ii., 558
„ „	„	„	*88–89* (762)	liquid—30	Tscherniak	B., 9, 147	29, 913
„ „ ...	„	„	86–91	....	Köhler	B., 12, 771	36, 781
Dichlorethylamine	$CH_2Cl.CHCl.NH_2$	„	....	136	Abeljanz	B., 4, 986	25, 607
Hydrogen cyanide sesquihydrochloride	$2HCN+3HCl$	$C_2H_5Cl_3N_2$	....	180 d.	Claisen & Matthews	B., 16, 309	
Acetamidine hydrochloride....	$NH:CMe.NH_2+HCl$	$C_2H_7ClN_2$	....	164–165	Pinner	B., 17, 178	46, 723
Ethylamine hydrochloride	$NH_2Et+HCl$	C_2H_8ClN	....	abt. 80	Köhler	B., 12, 1871	
„ „	„	„	315–320	*76–80*	Wurtz	C. R., 28, 223, 323	ii., 557
?	$HCN+(CN)_2Cl_2$	$C_3HCl_2N_3$	20	....	„	A., 44, 308; 79, 280	ii., 280
α-Dichlorpropionitril	$CH_3.CCl_2.CN$	$C_3H_3Cl_2N$	104–107	....	Otto	A., 116, 199	ii., 532; iv., 736
„	„	„	103–107	Liquid	Backunts and Otto	B., 9, 1593	31, 298
„	„	„	*105*	Liquid	„	„	„
„	....	$(C_3H_3Cl_2N)_n$	....	73·5	Beckurts and Otto	B., 10, 263	32, 182
„	....	„	....	73·5	„	B., 10, 2040	34, 285
„	....	„	....	*74·5*	Otto	A., 116, 199	ii., 532; iv., 736

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
a-Chlorpropionitril	$CH_3.CHCl.CN$	C_3H_4ClN	121–122	Liquid	Backunts and Otto	B., 9, 1592	**31**, 298
Propionitril hydrochloride	$C_2H_5.CN+HCl$	C_3H_6ClN	....	121	Gautier	C. R., 63, 921	vi., 524
Propionamidine hydrochloride	$NH\colon CEt.NH_2+HCl$	$C_3H_9ClN_2$	d. 230	133	Pinner and Klein	B., 11, 1484	**36**, 47
„ „	„	„	....	*129*	Pinner	B., 17, 178	**46**, 723
Isodimethyl formamidine hydrochloride	$NH\colon CH.NMe_2+HCl$	„	....	168–169	„	B., 16, 1650	**44**, 1090
Propylamine hydrochloride....	$Me(CH_2)_2.NH_2+HCl$	$C_3H_{10}ClN$	....	a. 100+	Mendius	A., 121, 129	v., 891
„ „	„	„	....	139·5	Gautier	C. R., 67, 723	vi., 966
„ „	„	„	....	*155–158*	Linnemann	A., 161, 43	**25**, 236
Tetrachlorpyrroline	....	C_4HCl_4N	....	110 d.	Ciamician & Silber	B., 16, 2391	**46**, 292
a-Chlorcrotonitril	$CH_3.CH\colon CCl.CN$	C_4H_4ClN	136	Liquid	Sarnow	B., 5, 470	**25**, 690
Chloroxalmethyline	....	$C_4H_5ClN_2$	*204–205*	Liquid	Wallach	A., 184, 53	**32**, 185
„	....	„	205	....	Wallach & Schulze	B., 14, 422	**40**, 572
Ethylcyanide+cyanogen-chloride	$Et.CN+CNCl$	„	60–68	....	Henke	A., 106, 289	ii., 280
Trichlorbutylidenimide	$CCl_3.CH_2.CH_2.CH\colon NH$	$C_4H_6Cl_3N$	d. 192	*164–165*	Pinner and Klein	B., 11, 1491	**36**, 42
„	„	„	....	169–170	Schiff	B., 11, 2167	**36**, 452
Dichloracetethylimidechloride	$CHCl_2.CCl\colon NEt$	„	....	161–164	Wallach and Kamenske	B., 13, 517	**38**, 547
Hydropyrroline hydrochloride	$C_4H_7\colon N+HCl$	C_4H_8ClN	....	173–174	Ciamician & Dennstedt	B., 16, 1539	**44**, 1142
Butylamine hydrochloride	$CH_3.(CH_2)_3.NH_2+HCl$	$C_4H_{12}ClN$	....	195	Linnemann & Zotta	A., 162, 3	vii., 222; **25**, 475
Isobutylamine hydrochloride	$CHMeEt.NH_2+HCl$	„	....	b. 100	Wurtz	A., 93, 124	v., 737
„ „	„	„	....	*160*	Linnemann	A., 162, 3	**25**, 477
„ „	„	„	....	160	Brauner	A., 192, 65	**34**, 779
Butylamine hydrochloride	$CMe_3.NH_2+HCl$	„	....	a. 250	Linnemann	A., 162, 7	vii., 223; **25**, 477
„ „	„	„	....	*270–280*	Brauner	A., 192, 65	**34**, 779
Trichlorpyridine	....	$C_5H_2Cl_3N$	....	48	Königs and Geigy	B., 17, 594	**46**, 1195
„	....	„	....	*49–50*	„	B., 17, 1834	**46**, 1369
?	....	$C_5H_2Cl_4N_2$	....	212	Pechmann & Stokes	B., 18, 2291	**48**, 1202
Dichlorpyridine	....	$C_5H_3Cl_2N$	....	66–67	Königs and Geigy	B., 17, 1833	**46**, 1369
?	....	$C_6H_3Cl_3N_2$	....	157·5	Pechmann & Stokes	B., 18, 2291	**48**, 1202
Chlorpyridine (cf. B., 15, 1179)	N.Cl=1.2	C_5H_4ClN	*148* (743·5)	....	Ciamician & Dennstedt	B., 14, 1154	**40**, 826
„	„	„	147–148	Liquid	Haitinger & Lieben	M. C., 6, 279	**48**, 966
Chloroxalmethylethyline	....	$C_5H_7ClN_2$	212–213	„	Wallach and West	B., 9, 264	**30**, 184
„	....	„	212–213	„	Wallach	A., 184, 72	**32**, 187
Diethylformamidine hydrochloride	$NEt_2.CH\colon NH+HCl$	$C_5H_{13}ClN_2$	....	125	Pinner	B., 17, 180	**46**, 724
Piperylhydrazine hydrochloride	$C_5H_{10}N.NH_2+HCl$	„	....	162	Knorr	B., 15, 860; A., 221, 297	**42**, 1115; **46**, 467
Hexachlor-*a*-picoline	$C_5HCl_3N.CCl_3$	C_6HCl_6N	....	60	Ost	J. p., 27, 277	**44**, 793
„ „	„	„	....	60	Bellmann	J. p. [2], 29, 1	**46**, 841
Pentachloraniline	$C_6Cl_5.NH_2$	$C_6H_2Cl_5N$	....	*235*	Langer	B., 15, 1331	**42**, 1058
„	„	„	....	232	....	A., 215, 120	
Trichlormethylpurine	$C_5N_4MeCl_3$	$C_6H_3Cl_3N_4$	....	174	Fischer	B., 17, 331	**46**, 996
Tetrachloraniline	$NH_2.Cl_4$=1.2.3.4.6	$C_6H_3Cl_4N$	cf. B., 10, 270	88	Beilstein and Kurbatow	B., 11, 1863; A., 196, 236	**31**, 707; **36**, 144
„	„ =1.2.3.5.6	„	„	90	„	„	„
„	„ =1.2.3.4.5	„	„	118	„	„	„
Trichloraniline	$NH_2.Cl_3$=1.2.3.4	$C_6H_4Cl_3N$	*292 c.*	*67·5*	„	„	„
„	„ „	„	cf. 10, 270	67·5	„	B., 9, 1688	**31**, 473, 707
„	„ =1.2.4.6	„	....	77	Langer	B., 15, 1064	
„	„ „	„	....	77·5	Körner	....	**31**, 706
„	„ „	„	....	78–79	Pierson and Heumann	B., 16, 1049	**44**, 915
„	„ „	„	....	77·05	Mills	P. M. [4], 49, 21	**28**, 648
„	„ „	„	....	77·068	„	P. R. [1881], 205	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trichloraniline	$NH_2.Cl_3$=1.2.4.6	$C_6H_4Cl_3N$	260 c. (752)	77·5	Beilstein and Kurbatow	B., 8, 1656	**29**, 713
"	" "	"	*262 c.*	*77·5*	"	B., 11, 1862	**36**, 143
"	" "	"	....	80	Wegenhöffer	J. p. [2], 16, 451	**34**, 297
"	" =1.2.4.5	"	....	94–95	Beilstein and Kurbatow	B., 9, 579	**30**, 294
"	" "	"	....	95	"	B., 9, 1688	**31**, 473
"	" "	"	....	95–96	"	B., 11, 1860	**36**, 143
"	" "	"	*270*	*96·5*	Lesimple	A., 137, 125	**vi.**, 921
Quinone dichlordiimide ...	$C_6H_2Cl_2.NH.NH$	$C_6H_4Cl_2N_2$	....	124 d.	Krause	B., 12, 48	
Tetrachlor-diamidobenzene....	$(NH_2)_2.Cl_4$=1.4.2.3.5.6	$C_6H_4Cl_4N_2$	p. d. 200	218 u. c.	"	B., 12, 51	**36**, 462
NH_3 on (trichloracetonitril)$_n$	$C_6Cl_7N_3(NH_2)_2$	$C_6H_4Cl_7N_5$	....	165	Weddige	J. p. [2], 28, 188	**46**, 35
Dichloraniline	$NH_2.Cl_2$=1.2.3	$C_6H_5Cl_2N$	252 c.	23–24	Beilstein and Kurbatow	B., 10, 2090; 11, 1861; A., 196, 217	**34**, 299; **36**, 143
"	" =1.2.6	"	....	39	"	B. S. [2], 30, 25; A., 196, 219; B., 11, 1861	**34**, 974; **36**, 143
"	" = ?	"	....	49·5	Laubenheimer	B., 7, 1601	**28**, 759
"	" =1.2.5	"	251	50	Jungfleish	A. C. [4], 15, 252	
"	" "	"	*251*	*50*	Beilstein and Kurbatow	A., 196, 215; B., 9, 1688; 10, 2089; 11, 1861, 2057	**31**, 473; **34**, 299; **36**, 143, 231
"	" =1.3.5	"	*259–260* (740·6)	*50·5*	"	"	"
"	" "	"	....	50·5	Witt	B., 8, 145	
"	" =1.2.4	"	....	63–64	Pierson and Heumann	B., 16, 1049	**44**, 915
"	" "	"	....	61·9	Körner	G. I., 4, 305	**29**, 215
"	" "	"	239 u. c.	62·5	Witt	B., 7, 1602	**28**, 759
"	" "	"	*245 c.*	*63*	Beilstein and Kurbatow	A., 196, 219; B., 7, 1761; 8, 693; 10, 270, 2089; 11, 1861	**28**, 451, 1037; **31**, 706; **34**, 299; **36**, 143
"	" =1.3.4	....	272	71·5	"	"	"
Chloraniline	$NH_2.Cl$=1.2	C_6H_6ClN	*207 c.*	Liquid—14	"	B., 7, 487, 1395	**27**, 806; **28**, 363
"	" "	"	....	Liquid	Jungfleish	A. C. [4], 15, 186	**vii.**, 145
"	" =1.3	"	*230 c.*	Liquid	Beilstein and Kurbatow	B., 7, 1399	**28**, 364
"	" "	"	....	Liquid	Körner	G. I., 4, 305	**29**, 233
"	" =1.4	"	....	Solid	"	"	"
"	" "	"	....	64	Griess	....	**vi.**, 921
"	" "	"	....	64	Heumann	B., 5, 915	**26**, 168
"	" "	"	....	64	Gabriel	B., 11, 2260	**36**, 323
"	" "	"	a. 200	65	....	....	**vi.**, 439
"	" "	"	....	69·5	Laubenheimer	B., 9, 1827	**31**, 594
"	" "	"	....	69·706	Mills	P. R. [1881], 205	
"	" "	"	....	*69·69*	"	P. M. [4], 49, 21	**28**, 648; **vii.**, 905
"	" "	"	*230–231 c.*	69–70; a. s. 70–71	Beilstein and Kurbatow	B., 7, 1395; A., 182, 94	**28**, 362; **30**, 361
"	" "	"	231	Solid	"	B., 7, 487	**27**, 806
"	" "	"	....	70	Wallach and Huth	B., 9, 425	**30**, 97
Chlor-*a*-picoline	....	"	164–165 u. c.	21	Ost	J. p. [2], 27, 278	**44**, 793
Chlorpicoline....	id. with preceding	"	160–170	....	Ciamician and Dennstedt	B., 14, 1162	**40**, 827
Dichlordiamidobenzene	$(NH_2)_2.Cl_2$=1.2.3.5	$C_6H_6Cl_2N_2$	....	60·5	Witt	B., 7, 1604	**28**, 759
" ..	" =1.4.2.6	"	....	123·5	"	B., 8, 145	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlordiamidobenzene	$(NH_2)_2.Cl = 1.2.4$	$C_6H_7ClN_2$	....	72	Beilstein and Kurbatow	B., 8, 693; 9, 634	**28**, 1037; **30**, 309
”	” ”	”	....	72	Laubenheimer	B., 9, 773	**30**, 295
”	” $= 1.3.4$	”	....	86	Beilstein and Kurbatow	B., 11, 1939; A., 197, 76	**36**, 144
Aniline hydrochloride	$C_6H_5.NH_2 + HCl$	C_6H_6ClN	....	192	Pinner	G. J. C., 1881	
Picoline ”	$C_6H_7N.HCl$	”	....	160	Ramsay	P. M. [5], 2, 271	**36**, 263
Chlorcyanmethine	....	$C_6H_6ClN_3$	$+ 3H_2O$	165 u. c.	Baeyer	B., 4, 176	
Chlorcyanmethine dichloride	$C_6H_5ClN_3.Cl_2$	$C_6H_5Cl_3N_3$	*s. b.* 200	....	Keller	J. p. [2], 31, 363	**46**, 961
Chloroxalethyline	....	$C_6H_9ClN_2$	217–218	s. f. m.	Wallach	B., 7, 327	**27**, 985
”	....	”	217–218	ord. temp.	”	A., 184, 40	**32**, 184
Di(chlorallyl)amine	$(C_3H_4Cl)_2NH$	$C_6H_9Cl_2N$	194 d.	....	Engler	B. S. [2], 9, 134	vi., 95
” hydrochloride	” $+ HCl$	$C_6H_{10}Cl_3N$	....	b. 100	”	”	”
α-methylpiperidine ”	$C_6H_{13}N + HCl$	$C_6H_{14}ClN$	....	189	Ladenburg & Roth	B., 18, 48	**48**, 557
Capronamidine hydrochloride	$NH:C(C_5H_{11}).NH_2 + HCl$	$C_6H_{15}ClN_2$	....	106–107	Pinner	B., 17, 178	**46**, 723
Isobutylbiguanide ”	$NH(CH_2Pr^{\beta}).C(NH).NH.C(NH).NH_2 + HCl$	$C_6H_{16}ClN_6$	....	216	Smolka	M. C., 4, 815	**46**, 288
” dihydrochloride	” $+ 2HCl$	$C_6H_{17}Cl_2N_5$	....	194	”	”	”
Chlorbenzonitril	$C_6H_4Cl.CN = 1.2$	C_7H_4ClN	232 u. c.	42–43	Henry	B., 2, 493	
”	” $= 1.3$	”	....	39	Griess	B., 2, 370	vii., 427
”	” $= ?$	”	....	b. 40	Limpricht	....	i., 564
From o-nitrobenzaldehyde	....	”	....	82–84	Rudolph	B., 13, 311	**38**, 469
Isocyanophenyl chloride	$Ph.N:CCl_2$	$C_7H_5Cl_2N$	*211–212*	Liquid	Sell and Zierold	B., 7, 1229	**26**, 270
” ”	”	”	212	....	Hofmann	B., 12, 1127	**36**, 805
Trichlortoluidine	$Me.Cl_3.NH_2=1.2.4.6.3$	$C_7H_6Cl_3N$	....	91	....	A., 187, 278	
”	” $=1.2.4.5.?$	”	....	94–95	Seelig	B., 18, 423	**48**, 770
”	” $=1.2.3.4.?$	”	....	105	”	”	”
Dichlortoluidine	$Me.Cl_2.NH_2=1.2.4.6$	$C_7H_7Cl_2N$	259	88	Wroblewsky and Pirogow	Z. C. [2], 6, 164	vii., 1167, 1177
”	” ”	”	259	88	Wroblewsky	A., 168, 213	**27**, 56
Trichlordiamidotoluene	$Me.Cl_3.(NH_2)_2=1.2.4.5.3.6$	$C_7H_7Cl_3N_2$	....	196	Seelig	B., 18, 423	**48**, 770
”	” $=1.2.3.4.5.6$	”	....	195–207 d.	”	”	”
Chlormethylaniline	$Cl.NHMe=1.3$	C_7H_8ClN	240	Liquid	Coste and Bodewig	B., 18, 431	**48**, 793
Chlorbenzylamine	$Cl.(CH_2.NH_2)=1.4$	”	....	Liquid	Jackson and Field	A. C. J., 2, 95	**40**, 806
”	” $=?$	”	....	Liquid	Berlin	A., 151, 144	vi., 338
Chlortoluidine	$Me.Cl.NH_2=1.3.4$	”	222	Liquid	Wroblewsky	Z. C. [2], 5, 322; A., 168, 197	vi., 1104; **27**, 54
”	” $=1.4.6(?)$	”	236	Liquid	Henry and Radziszewsky	Z. C. [2], 5, 542	vi., 1104
”	” ”	”	238	Liquid–14	Wroblewsky	Z. C. [2], 6, 683	vi., 1105
”	” ”	”	238	Liquid -20	”	A., 168, 197	**27**, 55
”	” $=1.4.3$	”	....	18	Engelbrecht	B., 7, 797	**27**, 986
”	” $=1.2.?$	”	....	26	Lellmann	B., 17, 535	**46**, 1133
”	” $=1.4.6(?)$	”	...	28–29	Engelbrecht	B., 7, 797	**27**, 986
”	” ”	”	241	29·5	Beilstein and Kühlberg	Z. C. [2], 6, 102	vii., 1177
”	” $=1.4\ ?$	”	241	83	Wroblewsky	Z. C. [2], 6, 683	vi., 1105
”	” ”	”	241	83	”	A., 168, 147	**27**, 55
”	” ”	”	237–242	....	”	Z. C., 12, 684	
”	” ”	”	243	85	Henry and Radziszewsky	Z. C. [2], 6, 157	vi., 1105
Chlormethylaniline hydrochloride	$Cl.NHMe=1.3$	$C_7H_9Cl_2N$	....	164	Coste and Bodewig	B., 18, 430	**48**, 793
Chlorbenzylamine hydrochloride	$Cl.(CH_2.NH_2)=?$	”	....	197	Berlin	A., 151, 144	vi., 339
” ”	” $=1.4$	”	....	239–241	Jackson and Field	A. C. J., 2, 95	**40**, 805
Benzylamine ”	$Ph.CH_2.NH_2+HCl$	$C_7H_{10}ClN$	....	235–240	Spica	G. I., 10, 515	**40**, 262
Glyoxalisoamyline ”	$C_7H_{12}N_2+HCl$	$C_7H_{13}ClN_2$	....	135–136	Radziszewsky & Szul	B., 17, 1291	**46**, 985
α-γ-hydrolutidine ”	$C_7H_{15}N+HCl$	$C_7H_{16}ClN$	...	235	Ladenburg & Roth	B., 18, 919	**48**, 816
Phenyldichloracetonitril	$C_6H_5.CCl_2.CN$	$C_8H_5Cl_2N$	....	223–224	Claisen	B., 12, 626	
Chloroxindole chloride	$C_6H_4.CCl:CCl.NH=1.2$	”	cf. B., 15, 786	103–104	Baeyer	B., 12, 458	**36**, 535

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlorphenylacetonitril	$C_6H_4Cl(CH_2.CN)$=1.4	C_8H_6ClN	....	Liquid	Neuhof	A., 147, 347	**40**, 806
„	„ „	„	....	29	Jackson and Field	A. C. J., 2, 85	**40**, 803
Tolyldichlorcarbimide	$CH_3.CNCl_2$=1.2	$C_8H_7Cl_2N$	218	....	Lachmann	B., 12, 1349	**36**, 935
Trichlordimethylaniline	$NMe_2.Cl_3$=1.2.4.6(?)	$C_8H_8Cl_3N$	257	32	Krell	B., 5, 879	**26**, 279
Dichlordimethylaniline	$NMe_2.Cl_2$=1.2.4(?)	$C_8H_9Cl_2N$	234	Liquid	„	„	„
Acetanilide chloride....	$Ph.NH.CCl_2.CH_3$	„	....	b. 50	Wallach and Hofmann	B., 8, 1570; A., 184, 88	**29**, 604
Chlordimethylaniline	$NMe_2.Cl$=?	$C_8H_{10}ClN$	212	Liquid	Krell	B., 5, 879	**26**, 279
„	„ =1.3	„	231–233	Liquid	Baur and Städel	B., 16, 32	**44**, 579
Chlorethylaniline	NHEt.Cl=1.4	„	....	Liquid b. 0	Hofmann	A., 74, 143	iv., 451
Chlorxylidine	$Me_2.NH_2.Cl$=1.3.4.?	„	....	89	Tawildarow	Z. C., 1870, 419	
„	„ =1.4.5.?	„	....	92–93	Jannasch	A., 176, 55	
„	„ =1.4.5.2	„	....	92	Kluge	B., 18, 2098	
Chlorethylphenylamine hydrochloride	$NHPh.C_2H_4Cl+HCl$	$C_8H_{11}Cl_2N$	....	158	Nemirowsky	J. p. [2], 31, 173	**48**, 741
Phenylethylamine hydrochloride	$Ph.CH_2.CH_2.NH_2+HCl$	$C_8H_{12}ClN$	....	217	Filati	G. I., 8, 446	**36**, 719
„ „	„ „	„	....	217	Filati and Piccini	B., 12, 1308	**36**, 922
„ „	„ „	„	....	217	Spica	G. I., 9, 555	**38**, 241
Xylylamine hydrochloride	$Me.C_6H_4.CH_2.NH_2+HCl$	„	....	185	Pieper	A., 151, 129	vi., 1132
„ „	„ „	„	....	a. 230 d.	Colombo and Spica	G. I., 1875, 124	**28**, 895
Chloroxalpropyline	....	$C_8H_{13}ClN_2$	235	....	Wallach & Schulze	B., 13, 516	**38**, 547
„	....	„	236	....	„	B., 14, 423	**40**, 572
Di(chlorallyl)ethylamine	$(C_3H_4Cl)_2N.Et$	$C_8H_{13}Cl_2N$	s.a. 200	....	Engler	B. S. [2], 9, 134	vi., 95
Hydro-α-isopropylpyridine hydrochloride	....	$C_8H_{14}ClN$	....	208–210	Ladenburg	B., 18, 1589	**48**, 992
α-isopropylpiperidine hydrochloride	$C_8H_{17}N+HCl$	$C_8H_{18}ClN$	....	206	„	B., 17, 1679	**46**, 1386
Coniine hydrochloride	„	„	$C_8H_{16}ClN$(?)	218	„	„	„
Copellidine „ ...	„	„	....	171	Dürkopf	B., 18, 923	**48**, 817
Trichlorquinoline	....	$C_9H_4Cl_3N$	....	107·5 u.c.	Rugheimer	B., 17, 738	**46**, 1050
„	....	„	....	140	Feer and Königs	B., 18, 2396	**48**, 1235
„	....	„	....	160·5	Friedländer and Weinberg	B., 15, 1425	**42**, 1209
α-γ-dichlorquinoline.... ...	$N.Cl.Cl=\alpha_1\beta_1\alpha_2$;	$C_9H_5Cl_2N$	....	67	Baeyer and Bloem	B., 15, 2150, 2152	**44**, 196
„ „	„ „	„	280–282	67	Friedländer and Weinberg	B., 15, 2683	
„ „	„ $=\alpha_1\beta_1\beta_2$;	„	....	104	„	B., 15, 2679	**44**, 351
α-β- „	„ „	„	....	*104–105*	Baeyer	B., 12, 1321	**36**, 946
p- „	„ $=\alpha_1$; $\alpha_1\alpha_2$	„	....	92–93	Coste	B., 15, 561	**42**, 979
m- „	„ $=\alpha_1$; $\alpha_1\beta_2$	„	....	103–104	„	„	„
Chlorquinoline	$N.Cl=\alpha_1$; β_2	C_9H_6ClN	256	Liquid	„	B., 15, 559	„
„	„ =meta	„	264–266	Liquid	Coste and Bodewig	B., 17, 926	**46**, 1197
„	„ $=\alpha_1\beta_1$;	„	266–267	37–38	Friedländer and Ostermeier	B., 15, 334	**42**, 732
Anhydroamidotolyloxamic chloride	$C_6H_3Me.N:CCl.CCl:N$ =1.3.4	$C_9H_6Cl_2N_2$	....	114–115	Hinsberg	B., 16, 1533	**44**, 1129
Methylchloroxindole	$C_6H_4.CCl:CCl.NMe$=1.2	$C_9H_7Cl_2N$	....	58–59	Baeyer	B., 15, 786	**42**, 1103
Tetrachlorcyanconine	$C_9H_{10}Cl_3N_2Cl$	$C_9H_{10}Cl_4N_2$	....	Liquid	Riess	J. p. [2], 30, 145	**48**, 236
Dimethylbenzamidochloride	$Ph.CCl_2NMe_2$	$C_9H_{11}Cl_2N$	....	36	Hallmann	B., 9, 846	**30**, 418
Tetrahydroquinoline hydrochloride	$C_9H_{11}N+HCl$	$C_9H_{12}ClN$	....	180–181	Hoffmann and Königs	B., 16, 729	**44**, 1143
Trichlorcyanethine	....	$C_9H_{12}Cl_3N_3$	....	110	Riess	J. p. [2], 30, 145	**48**, 236
Propylphenylamine hydrochloride	$C_6H_4.Pr^{\alpha}.NH_2$=1.4	$C_9H_{14}ClN$	....	203–204	Francksen	B., 17, 1221	**46**, 1007
Cumidine hydrochloride	$C_6H_4.Pr^{\beta}.NH_2$=?	„	....	62	Schaper	Z. C. [2], 3, 12	vi., 516
Triacetonaminehydrochloride	$CMe_2.CH_2.CO.CH_2.CMe_2.NH$	$C_9H_{18}ClN$	....	293	Fischer	B., 16, 650	**44**, 790
Methyltrichlorquinoline	$C_9NH_3MeCl_3$	$C_{10}H_6Cl_3N$	....	134	Rügheimer and Hoffmann	B., 17, 741	**46**, 1023
β-dichlornaphthylamine	$C_{10}H_5Cl_2.NH_2$	$C_{10}H_7Cl_2N$	...	104	Widmann	B. S. [2], 28, 510	**32**, 900

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
η-dichlornaphthylamine ...	$C_{10}H_5Cl_2.NH_2$	$C_{10}H_7Cl_2N$	....	94	Cleve	B. S. [2], 29, 500	**34**, 736
Chlornaphthylamine	$NH_2.Cl=a_1a_2$;	$C_{10}H_8ClN$	....	85–86	Atterberg	B., 10, 548	
"	" $=a_1$; a_1	"	....	93–94	"	"	
"	" "	"	....	93–94	"	B., 9, 1731	
"	" = ?	"	....	98	Seidler	B., 11, 1201	**34**, 983
Methychlorquinoline	$N.Me.Cl=a_1\beta_1a_2$;	"	290	59	Knorr and Antrick	B., 17, 2878	**48**, 274
ε-dichlordiamidonaphthalene	Cl ; Cl	$C_{10}H_8Cl_2N_2$	....	204–205	Alén	B. S. [2], 36, 433	**42**, 410
Quinoline methochloride	$C_9H_7N.MeCl+H_2O$	$C_{10}H_{10}ClN$	....	126	Ostermeyer	B., 18, 593 ; C.C., 1884, 970	**48**, 672
Tetrahydroquinoline methochloride	$C_9H_{11}N.MeCl+H_2O$	"	....	244	"	"	"
Chlor-α-naphthonitril	$C_{10}H_6Cl.CN$	$C_{11}H_6ClN$	....	145	Ekstrand	B., 17, 1604	**46**, 1361
Tetrachlordispoline (tetrachlorcryptidine)	....	$C_{11}H_7Cl_4N$	....	135	Zorn	J. p. [2], 8, 304	**27**, 484
?	CPh : N.CCl.CH.CMe : N	$C_{11}H_9ClN_2$	....	71	Pinner	B., 17, 2520	**48**, 159
Ethylchlorquinoline	$N.Cl.Et=a_1\beta_1\beta_2$;	$C_{11}H_{10}ClN$	....	72–73	Baeyer & Jackson	B., 13, 120	**38**, 407
β-naphthimidoamide hydrochloride	$C_{10}H_7.C(NH_2):NH+HCl$	$C_{11}H_{11}ClN_2$	....	224–226	Pinner and Klein	B., 11, 1486	**36**, 48
Quinoline ethochloride	$C_9H_7N.EtCl+H_2O$	$C_{11}H_{12}ClN$	....	92·5	Claus and Tosse	B., 16, 1278	**44**, 1009
Octochlorcarbazole	$C_6Cl_4.NH.C_6Cl_4$	$C_{12}HCl_8N$	....	275	Knecht	A., 202, 29	**38**, 661
Hexachlorcarbazole	....	$C_{12}H_3Cl_6N$	....	225 d.	"	A., 202, 28	"
Dichlorazophenylene	$Fr.C_6H_4.N.C_6H_4N$	$C_{12}H_6Cl_2N_2$	....	144	Claus	B., 8, 604	**28**, 899
Trichlorcarbazole	....	$C_{12}H_6Cl_3N$	....	180	Knecht	A., 202, 28	**38**, 660
Tetrachlordiphenylamine	$NH.(C_6H_3Cl_2)_2$	$C_{12}H_7Cl_4N$	....	133–134	Gnehm	B., 8, 1040	**29**, 265
Azoamidodichlorbenzene	$C_6H_3Cl_2.N_2.C_6H_2Cl_2.NH_2$	$C_{12}H_7Cl_4N_3$	....	126·5	Griess	A., 121, 275	iv., 460
Dichlorazobenzene	$C_6H_4Cl.N_2.C_6H_4.Cl=(1.3)_2$	$C_{12}H_8Cl_2N_2$	....	101	Laubenheimer	B., 8, 1625	**29**, 578
"	" $=(1.4)_2$	"	....	183 u.c.	Willgerodt	B., 14, 2637	
"	" "	"	....	183	Heumann	B., 5, 914	vii., 150
"	" "	"	....	*184*	Hofmann & Geyger	B., 5, 918	**26**, 168
"	" "	"	....	183	Calm & Heumann	B., 13, 1182	**38**, 880
"	" "	"	....	185	Willgerodt	B., 14, 2635	**42**, 396
Dichlordiphenylamine	$NH(C_6H_4Cl)_2$	$C_{12}H_9Cl_2N$	....	80 u.c.	Claus and Schaare	B., 15, 1286	
Azoamidodichlorbenzene	$C_6H_3Cl.N_2.C_6H_4Cl.NH_2$	$C_{12}H_9Cl_2N_3$	....	124·5	Griess	A., 121, 271	iv., 460
Chloramidodiphenyl....	$C_6H_3.Ph.NH_2.Cl=1.2.?$	$C_{12}H_{10}ClN$	....	48	Lüddens	B., 8, 872	
Di-chlorhydrazobenzene	$(Cl.C_6H_4.NH.)_2=(1.3)_2$	$C_{12}H_{10}Cl_2N_2$	....	94	Laubenheimer	B., 8, 1624	**29**, 578
" "	" $=(1.4)_2$	"	....	*122*	Hofmann & Geyger	B., 5, 918	**26**, 169 ; vii., 151
" "	" "	"	....	122	Calm & Heumann	B., 13, 1181	**38**, 880
Dichlordiamidodiphanyl	$(C_6H_3Cl.NH_2)_2=(?.4.1)_2$	"	....	60	Schultz	B., 17, 464	**46**, 903
"	" $=(4.3.1)_2$	"	....	163	"	B., 17, 465	"
"	" "	"	....	163	Laubenheimer	B., 8, 1625	**29**, 578
Ethyl β-naphthylamine hydrochloride	$C_{10}H_7.NHEt+HCl$	$C_{12}H_{14}ClN$	....	235	Henriques	B., 17, 2669	**48**, 168
Trimethylquinoline "	$C_9NH_4Me_3+HCl$	"	....	260	Pfitzinger	J. p. [2], 32, 240	**48**, 1246
p-dimethamidoquinoline methochloride	$C_9NH_6.NMe_2+MeCl$	$C_{12}H_{15}ClN_2$	$+H_2O$	244	Ostermeyer	B., 18, 596; C.C. 1884, 970	**48**, 672
Hydro-p-dimethamidoquinoline methochloride	$C_9NH_{10}.NMe_2+MeCl$	$C_{12}H_{19}ClN_2$	$+2H_2O$	220	"	"	"
Chloroxalisoamylene	....	$C_{12}H_{21}ClN_2$	*267–270*	Liquid	Wallach	A., 214, 316	**44**, 49
"	....	"	265–270	Liquid	Wallach & Schulze	B., 13, 516	**38**, 547
Methyltetrachlordiphenylamine	$NMe(C_6H_3Cl_2)_2$	$C_{13}H_9Cl_4N$	....	96–97	Gnehm	B., 8, 1041	**29**, 265
Benzanilideimide chloride	Ph.CCl : N.Ph.	$C_{13}H_{10}ClN$	abt. 310	39–40	Wallach & Hofmann	B., 8, 313	**28**, 1031
Dichlordiphenylguanidine	....	$C_{13}H_{11}Cl_2N_3$	....	140–141	....	B. S., 32, 170	
α-amidotolyl-phenylhydrochloride	Fr. $C_6H_4PhMe=1.4$	$C_{13}H_{14}ClN$	....	280–283 p.d.	Carnelley	29, 21	
?- " "	....	"	....	200	Jackson	B., 10, 961	**32**, 606
Benzylidene phenyldiamine hydrochloride	$NHPh.CHPh.NH_2+HCl$	$C_{13}H_{15}ClN_2$	....	223–224·5	Bernthsen and Szymansky	B., 13, 918	**38**, 639

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-, β-, γ-, and δ- Dichlordibenzylamine	$NH(CH_2.C_6H_4Cl)_2 =$?	$C_{14}H_{13}Cl_2N$	....	Liquid	Berlin	A., 151, 141	40, 806
α- „ „ „	„ $=(1.4)_2$	„	....	29	Jackson and Field	A. C. J., 2, 94	40, 805
Trichlorethylidene diphenyl diamine	$CCl_3.CH.(NHPh)_2$	$C_{14}H_{13}Cl_3N_2$	....	100–101	Wallach	B., 5, 251; A., 173, 274	vii., 311; 25, 611; 28, 349
„ „ „	„	„	....	100	Amato	G. I., 5, 461	30, 637
α-dichlordibenzylamine hydrochloride	$NH(CH_2.C_6H_4Cl)_2=(1.4)_2$	$C_{14}H_{14}Cl_3N$	....	288–289	Berlin	A., 151, 141	vi., 338
α- „ „ „	„ „	„	....	*288*	Jackson and Field	A. C. J., 2, 85	40, 805
β- „ „ „	„ = ?	„	....	225–228	Berlin	A., 151, 141	vi., 338
γ- „ „ „	„ „	„	....	218–220	„	„	„
δ- „ „ „	„ „	„	....	221–222	„	„	„
Trichlorethylidene diphenyldiamine hydrochloride	$CCl_3.CH(NHPh)_2+HCl$	$C_{14}H_{14}Cl_4N_2$	....	196	Amato	G. I., 5, 461	30, 638
„ „ „	$CCl_3.CH(NHPh)_2+2HCl$	$C_{14}H_{15}Cl_5N_2$	....	w.m.	„	„	„
Dibenzylamine hydrochloride	$(C_6H_5.CH_2)_2HN+HCl$	$C_{14}H_{16}ClN$	....	250	Limpricht	A., 144, 304	vi., 337
„ „	„	„	....	*255–256*	Spica	G. I., 10, 515	40, 262
?	....	$C_{15}H_9Cl_2N$	....	162–163	Gabriel	B., 18, 2450	48, 1231
Cinnamaldehyde anilide hydrochloride	$Ph.CH{:}CH.CH{:}NPh+HCl$	$C_{15}H_{14}ClN$	....	149	Peine	B., 17, 2117	46, 1345
Methylacridine methochloride	$C_{13}H_8NMe+MeCl$	$C_{16}H_{15}ClN$	....	130–135 d.	Bernthsen	A., 224, 1	46, 1356
Amidomethyl dihydro anthracene hydrochloride	$C_{14}H_{10}Me.NH_2+HCl$	$C_{15}H_{16}ClN$	....	245	Roemer	B., 16, 1633	44, 1137
? hydrochloride	$C_{15}H_{16}N_6+HCl$	$C_{15}H_{17}ClN_6$	....	252	Berger	M. C., 5, 451	48, 387
Dimethylphenylbenzylammonium chloride	$(Ph.CH_2.NPhMe_2)Cl$	$C_{15}H_{18}ClN$	$+H_2O$	110	Michler & Gradmann	B., 10, 2079	
Dibenzylguanidine hydrochloride	$NH{:}C(NH.CH_2Ph)_2+HCl$	$C_{15}H_{18}ClN_3$	....	176	Strakosch	B., 5, 696	vii., 182, 582
Triamylamine hydrochloride	$(C_5H_{11})_3N+HCl$	$C_{15}H_{34}ClN$	....	b. 100	Plimpton	C. R., 91, 433	40, 34
Quinoline benzylchloride	$C_6H_4.CH{:}CH.C{:}NCl.CH_2Ph$	$C_{16}H_{14}ClN$	....	*170*	Clauss and Tosse	B., 16, 1277	44, 1009
„ „	„ „	„	$+2H_2O$	129–130	„	„	„
„ „	„ „	„	„	*130*	„	„	„
„ „	„ „	„	$+3H_2O$	*65*	„	„	„
„ „	„ „	„	„	65	Claus & Himmelmann	B., 13, 2046	
?	$Ph.N{:}CMe.CH_2.CCl{:}NPh$	$C_{16}H_{15}ClN_2$	....	116–117	Wallach & Hofmann	B., 8, 1570; A., 184, 95	29, 604; 32, 188
Trichlorethylidene di-p-tolylamine	$CCl_3.CH(NHC_6H_4Me)_2$	$C_{16}H_{17}Cl_3N_2$	....	114–115	Wallach	B., 5, 252; A., 173, 279	vii., 311, 1179; 25, 611; 28, 350
From Zn-ethide on benzonitril	$C_{16}H_{18}N_2+HCl$	$C_{16}H_{19}ClN_2$	....	257	Frankland & Evans	....	37, 565
Diphenylethylamine hydrochloride	$(Ph.CH_2.CH_2)_2NH+HCl$	$C_{16}H_{20}ClN$	....	265	Fileti and Piccini	B., 12, 1308	
„ „	„	„	quick Ht.	260	Spica	G. I., 9, 555	38, 241
„ „	„	„	slow Ht.	*265*	„	„	„
Dixylylamine hydrochloride	$(Me.C_6H_4CH_2)_2NH+HCl$	„	....	198	Pieper	A., 151, 129	vi., 1133
Butylacridine hydrochloride	$C_{13}H_8N.C_4H_9+HCl$	$C_{17}H_{18}ClN$	....	191	Bernthsen & Traube	B., 17, 1509	46, 1183
Tetramethylbenzidine methochloride	$Me_2N.C_6H_4.C_6H_4.NMe_3Cl =(1.4)_2$	$C_{17}H_{23}ClN_2$	....	228	Michler & Pattinson	B., 17, 117	46, 747
Acetamide on phenylcyanamide	$C_{18}H_{17}N_5+HCl$	$C_{18}H_{18}ClN_5$	softens 240	256–264 u.c.	Berger	B., 14, 1256	40, 810
Base from aceto-o-toluide	....	$C_{18}H_{19}ClN_2$	....	52–53	Wallach	A., 214, 208	44, 48
„ „	....	„	....	71–72	„	B., 9, 1214	31, 92
Trichlorethylidene dixylyldiamine	$CCl_3.CH(NH.C_6H_3Me_2)_2$	$C_{18}H_{21}Cl_3N_2$	....	95–99	„	A., 173, 283	28, 350
Ethylene diphenyldimethylammonium chloride	$C_2H_4(NClMe_2Ph)_2$	$C_{18}H_{26}Cl_2N_2$	....	124	Hübner, Tolle, and Athenstadt	A., 224, 331	46, 1318
?	$C_{19}H_{13}N+HCl$	$C_{19}H_{14}ClN$(?)	....	a. 220	Bernthsen	A., 192, 1	34, 789
Dichlorbenzenyldiphenylamine	$NPh_2.CCl_2.Ph$	$C_{19}H_{15}Cl_2N$	cf. B.15,1285	149	Claus	B., 14, 2369	42, 178

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methylenediquinoïl hydrochloride	$CH_2(C_9H_6N)_2+2HCl$	$C_{19}H_{16}Cl_2N_2$	....	168	Rhousopoulos	B., 16, 2005	**44**, 1150
Benzenylisodiphenylamidine hydrochloride	$NPh_2.CPh:NH+HCl$	$C_{19}H_{17}ClN_2$(?)	....	223 d.	Bernthsen	A., 192, 1	**34**, 788
Triphenylmethylamine hydrochloride	$CPh_3.NH_2+HCl$	$C_{19}H_{18}ClN$	....	244	Elbs	B., 16, 1276	**44**, 1000
Triphenylguanidine hydrochloride	$PhN:C(NHPh)_2+2HCl$	$C_{19}H_{19}Cl_2N_3$	....	207	Sell and Zierold	B., 7, 1231	**28**, 270
Cinchonine chloride	....	$C_{19}H_{21}ClN_2$	....	52	Koenigs	B., 13, 287	**38**, 674
" "	....	"	....	72	"	B., 14, 1854	
Diquinoline methochloride	$C_{18}N_2H_{12}+2MeCl$	$C_{20}H_{18}Cl_2N_2$	$+6H_2O$	260	Ostermeyer	C. C., 1884, 970	**48**, 672
Triphenylethylamine hydrochloride	$CPh_3.CH_2.NH_2+HCl$	$C_{20}H_{20}ClN$	....	247	Elbs	B., 17, 700	**46**, 1031
Chlorhydrobenzamide	isomeric	$C_{21}H_{17}ClN_2$(?)	....	183	....	A., 111, 158	
"	"	" (?)	....	186	....	A., 111, 146	
Lophine hydrochloride	$C_{21}H_{16}N_2+HCl.$	"	....	160	Kühn	....	iii., 735
" "	....	"	....	155	Brunner	A., 151, 135	vi., 793
Trichlortribenzylamine	$N(CH_2.C_6H_4Cl)_3=(1.4)_3$	$C_{21}H_{18}Cl_3N$	....	*88–89*	Berlin	A., 151, 139	vi., 338
"	"	"	....	78·5	Jackson and Field	A. C. J., 2, 92	**40**, 805
" hydrochloride	$N(CH_2.C_6H_4Cl)_3+HCl =(1.4)_3$	$C_{21}H_{19}Cl_4N$	....	abt. 196	"	"	"
" "	" "	"	....	170–175	Berlin	A., 151, 139	vi., 338
Tribenzylamine hydrochloride	$(C_6H_5.CH_2)_3N+HCl$	$C_{21}H_{22}ClN$	....	227–228	Spica	G. I., 10, 515	**40**, 262
?	....	$C_{21}H_{22}ClN_3$	....	162–163	Berlin	A., 151, 136	
Phenylbenzo-β-naphthacridine hydrochloride	$C_6H_4.CPh.C_{10}H_6.N+HCl$	$C_{23}H_{16}ClN$	....	235	Claus and Richter	B., 17, 1596	**46**, 1359
β-dicyano-p-phenyl-p-ditolylguanidine	....	$C_{23}H_{22}ClN_5$	....	110–115	Landgrebe	B., 11, 975	
Leuco-base from trichlorbenzaldehyde	....	$C_{23}H_{23}Cl_3N_2$	....	128–129	Fischer	D. P., 252, 78	**46**, 944
Triphenylethylamine hydrochloride	$(Ph.CH_2.CH_2)_3N+HCl$	$C_{24}H_{28}ClN$	....	137–138	Spica	G. I., 9, 555	**38**, 241
Trixylylamine hydrochloride	$(Me.C_6H_4.CH_2)_3N+HCl$	"	....	212	Pieper	A., 151, 129	vi., 1133
Triphenylmethylbenzylamine hydrochloride	$Ph.CH_2.NH.CPh_3+HCl$	$C_{26}H_{24}ClN$	....	249	Elbs	B., 17, 703	**46**, 1031
Hydrocinnamide hydrochloride	$(Ph.CH:CH.CH_2)_3N_2$	$C_{27}H_{25}ClN_2$	$+3H_2O$	220–221	Peine	B., 17, 2111	**46**, 1344
Benzylamarine ethochloride	$C_{21}H_{17}(CH_2Ph)N_2+EtCl$	$C_{30}H_{29}ClN_2$	....	125 u.c.	Claus & Kohlstock	B., 18, 1854	**48**, 1133
Ethylbenzylamarine hydrochloride	$C_{21}H_{16}Et(CH_2Ph)N_2+HCl$	"	....	135 u.c.	"	"	"
Benzylamarine benzochloride	$C_{21}H_{17}(CH_2Ph)N_2 +Ph.CH_2Cl$	$C_{35}H_{31}ClN_2$	....	*45*	"	B., 18, 1853	
" "	" "	"	....	40–75	Claus and Elbs	B., 13, 1420	**38**, 882

(6.) CHClP, CHClAs, CHClSb, and CHClBi.

Ethylphosphotetrachloride	$PEtCl_4$	$C_2H_5Cl_4P$	....	100 d.	Michaelis	B., 13, 2175	**40**, 158
Isopropylphosphodichloride	$PPr^{\beta}Cl_2$	$C_3H_7Cl_2P$	135	Liquid	"	"	"
Phenylphosphodichloride	$PPhCl_2$	$C_6H_5Cl_2P$	140–142 (57)	....	Michaelis and Coste	B., 18, 2109	
"	"	"	220–222	....	Köhler & Michaelis	B., 10, 813	**32**, 451
"	"	"	222 u. c.	Liquid	Michaelis	B., 6, 602, 816	**26**,1148; **27**,168
"	"	"	222	....	"	C. C., 4, 548	**37**, 347
"	"	"	224·6 (763·6)	....	Thorpe	37, 347	
Phenylphosphotetrachloride	$PPhCl_4$	$C_6H_5Cl_4P$	....	73	Michaelis	B., 6, 817	**27**, 168
Triethylphosphodichloride	PEt_3Cl_2	$C_6H_{16}Cl_2P$	....	100	....	....	iv., 611
Tolylphosphodichloride	$C_6H_4Me.PCl_2=1.2$	$C_7H_7Cl_2P$	*244*	*Liquid—20*	Michaelis & Panek	A., 212, 212	**42**, 959
"	" $=1.4$	"	245	20	"	B., 13, 655	**38**, 641

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tolylphosphodichloride	$C_6H_4Me.PCl_2$=1.4	$C_7H_7Cl_2P$	*245*	*25*	Michaelis & Panek	A., 212, 212	**42**, 959
"	" "	"	240	Liquid	Michaelis	B., 12, 1009	**36**, 721
Tolylphosphotetrachloride	$C_6H_4Me.PCl_4$=1.2	$C_7H_7Cl_4P$	....	Solid	Michaelis & Panek	A., 212, 216; B., 13, 653	**38**, 641; **43**, 960
"	" =1.4	"	....	42	"	"	"
Phenylmethylphosphochloride	PPhMeCl	C_7H_8ClP	....	160	Köhler & Michaelis	B., 10, 814	**32**, 451
Xylylphosphodichloride	$C_6H_3Me_2.PCl_2$	$C_8H_9Cl_2P$	260–290 (?)	Liquid	Michaelis & Panek	A., 212, 236	**42**, 964
"	$C_6H_3Me_2.PCl_4$	$C_8H_9Cl_4P$	270	Liquid—18	"	"	"
Naphthylphosphodichloride	$C_{10}H_7.PCl_2$	$C_{10}H_7Cl_2P$	*a. 360 p. d.*	....	Kelbe	B., 11, 1500	
"	"	"	a. 250	....	"	B., 9, 1051	
Diphenylphosphochloride	PPh_2Cl	$C_{12}H_{10}ClP$	320	Liquid	Michaelis and Link	A., 207, 208	**42**, 306
"	"	"	300	Liquid	Michaelis	B., 10, 627	**32**, 453
"	"	"	210–215 (57)	....	Michaelis and Coste	B., 18, 2109	
Diphenylphosphodichloride....	PPh_2Cl_3	$C_{12}H_{10}Cl_3P$	....	Solid	Michaelis	B., 10, 627	**32**, 453
Triphenylbenzylphosphochloride	$PPh_3(CH_2Ph)Cl$	$C_{25}H_{22}ClP$	$+H_2O$	287	Michaelis & Soden	A., 229, 334	**48**, 1135
Tetrabenzylphosphochloride	$P(CH_2Ph)_4Cl$	$C_{28}H_{28}ClP$	....	224–225	Letts and Collie	T. E., 30, 181; P.R.S.E., 11, 46	**40**, 722; **42**, 724
Methylarsendichloride	$AsMeCl_2$	CH_3Cl_2As	133	....	Baeyer	A., 107, 279	i., 401
Ethylarsendichloride	$AsEtCl_2$	$C_2H_5Cl_2As$	156	....	Coste	A., 208, 34	
Dimethylarsenchloride (cacodylchloride)	$AsMe_2Cl$	C_2H_6ClAs	a. 100	b.—45	Bunsen	A., 37, 31; 42, 22	i., 405
Phenylarsendichloride	$AsPhCl_2$	$C_6H_5Cl_2As$	252–255	Liquid	Michaelis	B., 9, 1567	**31**, 311
"	"	"	249	....	"	B., 8, 1317	**29**, 610
Phenylarsentetrachloride ...	$AsPhCl_4$	$C_6H_5Cl_4As$	cf. B., 9, 1568	45	"	B., 10, 622	**32**, 452
Tolylarsendichloride.... ..	$C_6H_4Me.PCl_2$=1.2	$C_7H_7Cl_2As$	264–265	Liquid	Coste and Michaelis	B., 11, 1889; A., 201, 248	**36**, 163
"	" =1.4	"	267	31	"	"	"
Naphthylarsendichloride	$C_{10}H_7.AsCl_2$	$C_{10}H_7Cl_2As$	....	63	Michaelis & Schulte	B., 15, 1954	
Phenyldiethylarsendichloride	$AsPhEt_2Cl_2$	$C_{10}H_{15}Cl_2As$	....	Crystalline	Michaelis	B., 10, 626	**32**, 453
Diphenylarsenchloride	$AsPh_2Cl$	$C_{12}H_{10}ClAs$	333	Liquid	Coste and Michaelis	B., 11, 1885; A., 201, 215	**36**, 162; **38**, 396
" ...	"	"	330	....	Michaelis	A., 207, 195	
Diphenylarsentrichloride	$AsPh_2Cl_3$	$C_{12}H_{10}Cl_3As$	cf.A.,201,222	174	"	B., 9, 1569	**31**, 311
Ditolylarsenchloride....	$(C_6H_4Me)_2AsCl$=$(1.4)_2$	$C_{14}H_{14}ClAs$	340–345	....	Coste	A., 208, 18	
Diphenylethylarsendichloride	$AsPh_2EtCl_2$	$C_{14}H_{15}Cl_2As$	....	137	Michaelis	A., 201, 235	
Triphenylarsendichloride ...	$AsPh_3Cl_2$	$C_{18}H_{15}Cl_2As$	cf.A.,201,242	171	Coste and Michaelis	B., 11, 1888	**36**, 162
Tritolylarsendichloride ..	$As(C_6H_4Me)_3Cl_2$=$(1.4)_3$	$C_{21}H_{21}Cl_2As$	....	214	Coste	A., 208, 27	**40**, 905
Triethylstibine dichloride ...	$SbEt_3Cl_2$	$C_6H_{15}Cl_2Sb$	....	b. 12	....	A., 88, 323; 97, 332	i., 342
Tritolylstibine dichloride	$Sb(C_6H_4Me_3)Cl_2$=$(1.4)_3$	$C_{21}H_{21}Cl_2Sb$	....	156·5	Michaelis & Genzken	B., 17, 925	**46**, 1136
Ethylbismuthdichloride	$BiEtCl_2$	$C_2H_5Cl_2Bi$	....	Crystalline	....	A., 92, 376	

(7.) CHBrI.

Dibromiodomethane	....	$CHBr_2I$	....	6	....	A, 22, 233	i., 680
Dibromiodethylene	CIBr⁚CHBr	C_2HBr_2I	....	66	Homolka and Stolz	B., 18, 2285	**48**, 1198
α- Bromiodethylene	CH_2⁚CBrI	C_2H_2BrI	*128–130 p.d.* (764)	Liquid	Henry	C. R., 98, 680	**46**, 830
β- "	CHBr⁚CHI	"	142	....	Reboul	....	vii., 491
β- "	"	"	*150 c.*	s. 8	Plimpton	B., 16, 79	**41**, 395
β- "	"	"	150	....	Plimpton & Graves	43, 123	
β- "	"	"	150	....	Henry	C. R., 98, 741	**46**, 831
β- "	"	"	140–150 d.	....	....	A., 216, 266	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-Bromiodethylene	CHBr⁚CHI	C_2H_2BrI	162	....	Reboul	....	vii., 491
?- "	"	"	150 p.d.	25	Lagermark	B., 6, 1211	"
Iodethylenedibromide	$CH_2Br.CHIBr$	$C_2H_3Br_2I$	170–180 d.	....	Simpson	P. R. S., 22, 51	**27**, 564
Ethylidene iodobromide	$CH_3.CHIBr$	C_2H_4BrI	141–142 (735)	....	Reboul	A., 155, 213	vii., 489 ; **27**, 240
" "	"	"	142	....	Plimpton	41, 397	
" "	"	"	141–142	....	Gargarin	B., 7, 734	**27**, 1075
" "	"	"	142	....	Friedel	C. R., 79, 164	**27**, 1150
" "	"	"	*142–143*	Liquid −18	Lagermark	B., 7, 913	**27**, 1151
" "	"	"	142–144	....	Simpson	P. R. S., 27, 118	**38**, 456
Ethylene "	$CH_2Br.CH_2I$	"	145–147	25·5	Lagermark	B., 7, 908	**27**, 1151
" "	"	"	150 p.d.	25·5	"	B., 6, 1211	**27**, 240
" " ...	"	"	162–167	28	Simpson	P. R. S., 22, 51	**27**, 564
" "	"	"	162–167	28	Gargarin	B., 7, 733	**27**, 1075
" "	"	"	163	....	Plimpton	41, 397	
" " ..	"	"	*163*	*27·7*	Friedel	B., 7, 655 ; C. R., 79, 164	**27**, 1151
" " (impure)	"	"	160–162	Liquid	Lagermark	B., 7, 914	"
" " "	"	"	160 p.d.	Liquid	Reboul	A., 155, 214	vii., 489
Bromiodpropane	$CH_3.CBrI.CH_3$	C_3H_6BrI	147–148 c. ; p.d.	....	"	C. R., 74, 944 ; B. S., 16, 50 ; A. C. [5], 14, 483	**25**, 683 ; **36**, 131 ; vii., 51, 1017
"	$CH_3.CBr\ CH_2I$(?)	"	160–168 p.d.	Liquid	Simpson	P. R. S., 22, 51	**27**, 564
Tribromiodobenzene	$Br_3.I$=1.3.5.6	$C_6H_2Br_3I$	....	103·5	Silberstein	J. p. [2], 27, 119	**44**, 661
Bromidobenzene	C_6H_4BrI=1.4	C_6H_4BrI	251·5 (754·44)	91·9	Körner	G. I., 4, 305	**29**, 215
"	" =1.3	"	252 (754·44)	Liquid	"	"	"
"	" =1.2	"	257·4 (754·44)	Liquid	"	"	"
Dibromdiiodotoluene	$Me.Br_2.I_2$=1.3.5.2.4	$C_7H_4Br_2I_2$	....	68	Wroblewsky	B., 9, 1055	**30**, 511
Dibromiodtoluene	$Me.Br_2.I$=1.3.5.4	$C_7H_5Br_2I$	270	86	"	A., 168, 190 ; 192, 209	**27**, 54 ; **34**, 978
Iodobenzyl bromide....	$C_6H_4I.CH_2Br$=1.2	C_7H_6BrI	....	52–53	Mabery & Robinson	A. C. J., 4, 101 ; B., 15, 1758	**42**, 1057
" "	" =1.4	"	....	78·75	Mabery & Jackson	B., 11, 55 ; A. C. J., 1, 103 ; 2, 250 ; 3, 252	**34**, 421
Bromiodotoluene	Me.Br.I=1.2.3 or 5	"	260	Liquid −20	Wroblewsky	Z. C. [2], 7, 240 ; A., 168, 164	**24**, 713 ; **27**, 52
"	" =1.3.4	"	265	Liquid −14	"	Z. C. [2], 6, 164 ; A., 168, 159	vii., 1166 ; **27**, 51
Bromiodonaphthalene	$C_{10}H_6BrI=\alpha_1\beta_2$;	$C_{10}H_6BrI$	....	68	Meldola	47, 523	
"	" $=\alpha_1\alpha_2$;	"	....	83·5	"	"	
"	" $=\alpha_1\beta_1$;	"	....	94	"	"	

(8.) CHBrO.

Tribromacetaldehyde (Bromal)	$CBr_3.COH$	C_2HBr_3O	a. 100	....	Löwig	A., 3, 305	i., 666
" "	"	"	120–180	Liquid	Pinner	A., 179, 69	**29**, 550
" "	"	"	*172–173*	Liquid −20	Schäffer	B., 4, 366	**24**, 558 ; vii., 209
" "	"	"	174 (760)	....	Kahlbaum	B., 17, 1260	
" "	"	"	103·9 (75)	....	"	"	
" "	"	"	92·4 (50)	....	"	"	
" "	"	"	77·7 (25)	....	"	"	
" "	"	"	74·1 (20)	....	"	"	
" "	"	"	68·7 (15)	....	"	"	
" "	"	"	62·3 (10)	....	"	"	
" "	"	"	53·4 (5)	....	"	"	
" "	"	"	40·6 (0)	....	"	"	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Parabromalide	....	C_2HBr_3O	200 p.d.	67	Cloez	A., 111, 178	iv., 340
Dibromacetyl bromide ..	$CHBr_2.COBr$	"	194	....	Gal	B. S., 5, 172	vi., 21
Tribromacetic acid	$CBr_3.COOH$	$C_2HBr_3O_2$	....	128–130	Wiedel and Gruber	B., 10, 1150	**32**, 780
" "	"	"	*245*	*130*	Schäffer	B., 4, 370	**24**, 559
" "	"	"	250	135	Crofts	A., 129, 56	vi., 18
" "	"	"	....	136	Petrieff	B., 8, 731	
Dibromacetic aldehyde ...	$CHBr_2.COH$	$C_2H_2Br_2O$	140–142	Liquid	Pinner	B., 7, 1500; C. C. [1875], 3	**28**, 1174
" "	"	"	*142*	Liquid	"	A., 179, 70	**29**, 550
Bromacetyl Bromide ..	$CH_2Br.COBr$	"	150	....	Hübner	A., 124, 321	vi., 21
" " ...	"	"	*149–150*	....	Naumann	A., 129, 263	
" " ...	"	"	150–155	....	Samosadsky	Z. C. [2], 6, 105	vii., 10
Dibromacetic acid	$CHBr_2.COOH$	$C_2H_2Br_2O_2$	b. 200	....	Demole	B., 11, 319	
" "	"	"	225–230	....	Perkin and Duppa	12, 3	i., 666
" "	"	"	*235*	*43–48*	Bouchardat	C. R., 100, 452	**48**, 499
" "	"	"	232–234 p.d.	45–50	Schäffer	B., 4, 368	**24**, 559
Acetyl bromide	$CH_3.COBr$	C_2H_3BrO	81	....	Gal	B. S., 5, 172	vi., 20
" "	"	"	81	....	Ritter	J., 8, 504	
Bromethylene oxide.... ...	$CHBr.O.CH_2$	"	89–92	....	Demole	B., 9, 51	**29**, 693
Bromacetic acid	$CH_2Br.COOH$	$C_2H_3BrO_2$	205–209	....	"	B., 9, 561	
" "	"	"	203	*53*	Hofmann	B., 16, 588	
" "	"	"	208	....	Geuther	A., 132, 171	vi., 22
" "	"	"	*208*	b. 100	Perkin and Duppa	11, 22	i., 665
Bromal hydrate	$CBr_3.CH.(OH)_2$	$C_2H_3Br_3O_2$	....	53·5	Schäffer	B., 4, 366	**24**, 558; vii., 209
Dibromethyl alcohol.... ...	$CHBr_2.CH_2.OH$	$C_2H_4Br_2O$	179–181	....	Demole	B., 9, 49	**29**, 692
?	Me.CBr(OBr)OH	$C_2H_4Br_2O_2$	....	36–37	Hell & Mülhauser	B., 10, 2105	**34**, 289
Ethylene Bromhydrin ...	$CH_2Br.CH_2.OH$	C_2H_5BrO	*147*	....	Henry	A. C. [4], 27, 243	
" "	"	"	145–150	....	Demole	B., 9, 48	
?	....	$C_2H_7BrO_3$	89–91	40–45	"	B., 9, 50	
Tribromacrylic acid	$CBr_2:CBr.COOH$	$C_3HBr_3O_2$	....	115–118	Mabery and Lloyd	A. C. J., 4, 92	**42**, 1049
" "	"	"	....	117	Mauthner & Suida	M. C., 2, 109	**40**, 890
" "	"	"	....	*118*	Hill and Mabery	A. C. J., 3, 172; 4, 263	**40**, 1125; **44**, 309
Tribrompyruvic acid ...	$CBr_3.CO.COOH$	$C_3HBr_3O_3$	....	90	Grimaux	C. R., 78, 974	**27**, 887
" "	"	"	$+2H_2O$	104	"	B. S., 21, 393	**27**, 888
Pentabromacetone	$CHBr_2.CO.CBr_3$	C_3HBr_5O	....	75	Mulder	J. p., 91, 472	vi., 27
"	"	"	....	*76*	Benedikt	C. C. [1878], 101	**34**, 499
Pentabromomethylic acetate (Bromoxaform)	$CH_2Br.COOCBr_3$	$C_3HBr_5O_2$	....	74	Steiner	B., 7, 505	**27**, 886
" "	"	"	....	*74·5*	Lagermarck	Z. C. [2], 6, 299	vii., 213
" "	"	"	....	75	Cloez	A., 122, 121	i., 996
" "	"	"	....	77	Cahours	A., 64, 352	vi., 17, 370
β-Dibromacrylic acid	$CBr_2:CH.COOH$	$C_3H_2Br_2O_2$	....	83–84	Jackson and Hill	B., 11, 1674	**36**, 224
" " "	"	"	*243–250*	*85*	Petri	A., 195, 70	**36**, 373
" " "	"	"	....	85	Mauthner & Suida	W. A., 83, 273	**40**, 889
" " " ...	"	"	....	85–86	Bandrowski	B., 15, 2703	**44**, 314
" " "	"	"	....	85–86	Hill	B., 12, 660	**36**, 616
" " " ...	"	"	....	85–86	Hill and Andrews	A. C. J., 4, 177	**42**, 1187
" " " ...	"	"	....	85–86	Hill and Mabery	A. C. J., 3, 172	**40**, 1124
Dibrompyruvic acid	$CHBr_2.CO.COOH$	$C_3H_2Br_2O_3$	....	*89–91*	Wichelhaus	B., 1, 264	vi., 980
" "	"	"	....	abt. 93	Clermont	B. S. [2], 19, 105	vii., 1033; **26**, 495
Dibromomalonic acid ...	$CBr_2.(COOH)_2$	$C_3H_2Br_2O_4$	....	126–128	Petrieff	B., 7, 402	**27**, 787
Tetrabromacetone	....	$C_3H_2Br_4O$	$+2H_2O$	42–43	Mulder	J. p., 91, 472	vi., 27
Tetrabrompropionic acid	$CHBr_2.CBr_2.COOH$	$C_3H_2Br_4O_2$	....	125	Mauthner & Suida	W. A., 83, 273	**40**, 889
" "	"	"	....	125	Hill and Mabery	B., 14, 1681	**40**, 1030
" "	"	"	....	*125–126*	"	A. C. J., 4, 263; B., 16, 80	**44**, 309
" " ...	$CBr_3.CHBr.COOH$	"	....	*118–120*	Mabery	A. C. J., 5, 251	**46**, 664
?-Bromacrylic acid	....	$C_3H_3BrO_2$	....	53	Bandrowski	B., 15, 2702	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Bromacrylic acid	$CH_2:CBr.COOH$	$C_3H_3BrO_2$	....	69–70	Wagner & Tollens	B., 6, 512	**26**, 1220
" " "	"	"	....	69–70	Philippi and Tollens	A., 171, 333	**27**, 680
β- " "	$CHBr:CH.COOH$	"	....	*115–116*	Wallach & Reincke	B., 10, 2130	**34**, 404
Brompyruvic "	$CH_2Br.CO.COOH$	$C_3H_3BrO_3$	....	Liquid	Wichelhaus	B., 1, 265	vi., 980
Tribrompropionic acid	$CBr_3.CH_2.COOH$	$C_3H_3Br_3O_2$	....	*53*	Fittig and Petri	A., 195, 73	**40**, 800
" "	$CH_2Br.CBr_2.COOH$	"	....	92	Michael and Norton	A. C. J., 2, 18	"
" "	"	"	....	93	Linnemann & Penl	B., 8, 1098	
" "	"	"	....	*95*	Mauthner & Suida	W. A., 83, 273	**40**, 889
" "	$CHBr_2.CHBr.COOH$	"	....	*118*	Hill and Andrews	A. C. J., 4, 177	**42**, 1187
" "	"	"	....	118	Hill	A. C. J., 4, 273	
Tribromlactic acid	$CBr_3.CH(OH).COOH$	$C_3H_3Br_3O_3$	....	141–143	Wallach & Reincke	B., 10, 2129	**34**, 403
Dibromacetone	$CH_2Br.CO.CH_2Br$	$C_3H_4Br_2O$	....	24	Völker	A., 192, 97	**34**, 781
α-brompropionic bromide	Me.CHBr.COBr	"	154–155	...	Kaschirsky	C. C. [1881], 278	**42**, 36
Dibrompropionic aldehyde	$CH_2Br.CHBr.COH$ (?)	"	79–85 (5–6)	Liquid	Grimaux and Adam	B. S. [2], 36, 136	**40**, 1029
" "	"	"	150–170	....	Aronstein	As., 3, 188	vi., 56
" "	....	(")$_n$	....	59	Henry	B., 7, 1113	**28**, 143
" "	....	"	....	60 ; 66	Linnemann & Penl	B., 8, 1097	
" "	....	"	....	66	Völker	A., 192, 89	**34**, 781
α-α-Dibrompropionic acid	$CH_3.CBr_2.COOH$	$C_3H_4Br_2O_2$	*220–221 s. d.*	*61*	Phillipi and Tollens	B., 6, 516	**26**, 1019
" " "	"	"	227	65	Friedel & Machuca	C. R., 54, 220	vii., 1010
" " "	"	"	....	65–66·5	Tollens	Z. C., 14, 305	**24**, 1040
α-β- " "	$CH_2Br.CHBr.COOH$	"	....	58	Schmöger	J. p. [2], 24, 43	**42**, 40
" " "	"	"	slowly heated quickly "	*64* a.f. 51	Tollens	B., 8, 1452	**29**, 561
" " "	"	"	....	63–64; a.f. 51	Linnemann & Penl	B., 8, 1099	**29**, 64
" " "	"	"	240 d.	63–64	Phillipi & Tollens	B., 6, 516	**26**, 1019
" " "	"	"	....	63–64	Wagner and Tollens	B., 6, 514	**26**, 1221
" " "	"	"	220–240	64–64·5	Münder and Tollens	B., 5, 73	**25**, 402
" " "	"	"	....	69–70	Phillipi and Tollens	B., 6, 518	
" " "	"	"	$+7H_2O$	s.—5	Linnemann & Penl	B., 8, 1098	**29**, 64
Dibromlactic acid	...	$C_3H_4Br_2O_3$	....	98	"	B., 8, 1101	
Propionyl bromide	$CH_3.CH_2.COBr$	C_3H_5BrO	96–98	....	Sestini	B. S. [2], 11, 468	vi., 962
" "	"	"	*103–104*	....	Bruyn	C. C., 1885, 356	**48**, 963
" "	"	"	104–106	....	Kaschirsky	C. C., 1881, 278	**42**, 37
Epibromhydrin	$CH_2Br.CH.CH_2.O$	"	138	....	Berthelot & De Luca	J., 9, 600	i., 668
"	"	"	139	....	....	....	ii., 898
"	"	"	*138–140*	....	Henry	A., 154, 363	vii., 210
Bromacetone	$CH_3.CO.CH_2Br$	"	140–145 d.	....	Riche	....	i., 31
α-Bromallyl alcohol	$CH_2:CBr.CH_2.OH$	"	155	....	Henry	B., 5, 453	vii., 50, 1018
" " "	"	"	*152 (776)*	....	"	B., 14, 404	**25**, 686
Methylic bromacetate	$CH_2Br.COOMe$	$C_3H_5BrO_2$	144 d.	....	Perkin and Duppa	11, 22	i., 665
α-Brompropionic acid	$CH_3.CHBr.COOH$	"	*202–205·5 c.*	s. —17	Kekulé	A., 130, 17	iv., 733
" " "	"	"	202	....	Kaschirsky	C. C. [1881], 278	**42**, 37
" " "	"	"	190–210	....	Friedel & Machuca	C. R., 53, 408	iv., 733
" " "	"	"	190–210	....	Beckurts and Otto	B., 18, 222	
β- " "	$CH_2Br.CH_2.COOH$	"	....	*61·5*	Richter	Z. C. [1868], 450	
" " "	"	"	....	61–62	Beckurts and Otto	B., 18, 227	**48**, 506
β-Bromlactic acid	$CH_2Br.CH(OH).COOH$	$C_3H_5BrO_3$	....	89–90	Melikoff	B., 13, 958	**38**, 800
Dibrompropyl alcohol	$CH_2Br.CHBr.CH_2.OH$	$C_3H_6Br_2O$	212–214	....	Richter	R. K. T.	
" "	"	"	217	....	Aronheim	B., 7, 1382	**28**, 246
" "	"	"	*219*	....	Weger	A., 221, 61	**46**, 11
" "	"	"	219	....	Morkownikoff	J. [1864], 490	vi., 91
Dibromhydrin	$C_3H_5Br_2.OH$	"	219	....	Berthelot and Luca	J., 8, 627	i., 668
"	"	"	219	....	"	J., 9, 601	
"	"	"	214–220	....	Zotta	A., 174, 96	
Trimethylene glycol bromhydrin	$CH_2Br.CH_2.CH_2.OH$	C_3H_7BrO	98–112 (185)	Liquid	Frühling	M. C., 3, 697	**44**, 42
Propylene " "	$CH_3.CHBr.CH_2.OH$	"	145–148	....	....	Z. C. [1870], 423	
α-Glycerol-bromhydrin	$CH_2Br.CH(OH).CH_2(OH)$(?)	$C_3H_7BrO_2$	180 (10)	....	Berthelot and Luca	A. C. [3], 48, 304	i., 668
β- " "	$CH_2(OH).CHBr.CH_2(OH)$(?)	"	160 (66)	L. —15	Veley	C. N., 47, 39	
?	....	$C_3H_8Br_4O$	210	....	Henry	A., 154, 363	vii., 210

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromomaleïc anhydride	$C_2HBr.CO.O.CO$	C_4HBrO_3	212	Liquid	Kekulé	A., 131, 1	iii., 787
" "	"	"	214	Liquid	Pictet	B., 13, 1670	40, 253
" "	"	"	*215*	Liquid	Anschütz	B., 10, 1884	34, 136
" "	Polymer ?	"	....	108–110	Carius	A., 149, 265	vi., 797
Bromomucobromic acid	....	$C_4HBr_3O_2$	....	53–54	Jackson and Hill	B., 11, 1673	36, 224
" "	....	"	....	*55–56*	Hill	B., 13, 737	
Bromomaleïc acid dibromide	....	"	....	55	Hill and Sanger	B., 17, 1761	46, 1305
α-Dibromfurfurane	$CH:CBr.O.CBr:CH$	$C_4H_2Br_2O$	*164–165(764)*; 62–63 (15)	*9–10*	Hill and Hartshorn	B., 18, 448	48, 762
" "	"	"	165–167	Liquid	Canzoneri & Oliveri	G. I., 15, 113	48, 1144
Mucobromic aldehyde	$C_2Br_2(COH)_2$	$C_4H_2Br_2O_2$	....	88	Tönnies	B., 12, 1203	36, 918
Isodibromosuccinic anhydride	$CBr_2.CH_2.CO.O.CO$	$C_4H_2Br_2O_3$	....	32	Pictet	B., 13, 1670	40, 253
Dibromsuccinic "	$CHBr.CHBr.CO.O.CO$	"	....	100	Kekulé	As., 2, 85	v., 459
Mucobromic acid	....	"	....	*120*	Schmelz & Beilstein	As., 32, 78	iv., 764
" "	....	"	....	120–121	Jackson and Hill	B., 11, 1671	36, 224
" "	....	"	....	120–125	Hill	B., 13, 734	26, 625
" "	....	"	....	120–130	Limpricht	A., 165, 293	vii., 828
Dibromomaleïc acid	$C_2Br_2(COOH)_2$	$C_4H_2Br_2O_4$	....	108	Kekulé	A., 130, 3	38, 160
" "	"	"	....	112	"	A., 131, 1	iii., 788
" "	"	"	....	108–120	Limpricht	A., 165, 294	vii., 828; 26, 625
" "	"	"	....	120–123	Hill	B., 13, 736	
" "	"	"	....	*123–125*	Hill and Hartshorn	B., 18, 450	48, 762
" "	"	"	....	123–125	Ciamician & Silber	G. I., 14, 31; B., 17, 553	46, 1117
Dibromfumaric acid	$COOH.CBr:CBr.COOH$	"	Blackens 217	*219–220 p.d.*	Bandrowsky	B., 12, 2213	38, 160
Hexabromethylmethyl ketone	$CBr_3.CH_2.CO.CBr_3$	$C_4H_2Br_6O$	....	89–90	Demole	B., 11, 1712	36, 220
α-Dibromfurfurane tetrabromide	$CHBr.CBr_2.O.CBr_2.CHBr$	"	....	110–111	Hill	B., 16, 1132	44, 912
" " "	"	"	....	*110–111*	Hill and Hartshorn	B., 18, 449	48, 762
?	....	"	....	55	" "	"	"
Pentabromethylic bromacetate	$CH_2Br.COO.CBr_2.CBr_3$	$C_4H_2Br_6O_2$	195–198	Liquid	Kessel	B., 11, 1923	36, 138
Octobromethyl oxide	$(CBr_3.CHBr)_2O$	$C_4H_2Br_8O$	132–135 (450–470)	....	"	B., 10, 1668	34, 128
?	....	$C_4H_3BrO_2$	....	84	Limpricht	A., 165, 292	vii., 1032; 26, 625
Bromsuccinic anhydride	$CH_2.CHBr.CO.O.CO$	$C_4H_3BrO_3$	137 (11)	26–31	Anschütz & Bennert	B., 15, 643	42, 828
?	....	"	....	109	....	J. p. [2], 23, 441	
Acid from mucobromic acid	....	$C_4H_3BrO_4$	....	111–112 (?)	Hill	B., 17, 240	46, 731
Bromomaleïc acid	$C_2HBr.(COOH)_2$	"	....	abt. 120	Carius	A., 149, 265	vi., 797
" "	"	"	....	125–126	Kekulé	A., 131, 87	iii., 787, 788
" "	"	"	....	125–126	Anschütz	B., 10, 1884	34, 136
" "	"	"	....	126–127	Kekulé	A., 130, 1	v., 458
" "	"	"	....	127–128	Pictet	B., 13, 1670	40, 253
" "	"	"	....	*128*	Petri	A., 195, 62	36, 373
" "	"	"	....	129–130	Bandrowski	B., 12, 345	36, 524
Iso- " "	"	"	....	160	Kekulé	A., 131, 1	iii., 788
" " "	"	"	....	165	Carius	A., 149, 265	vi., 797
Bromfumaric acid	$COOH.CH:CBr.COOH$	"	....	172	Kekulé	A., 130, 1	v., 458
" "	"	"	....	172	Bandrowski	B., 12, 345	36, 524
" "	"	"	....	174–175	Hill and Sanger	B., 17, 1761	
" "	"	"	....	176–177	"	B., 17, 1763	46, 1306
" "	"	"	....	*177–178*	Bandrowski	B., 15, 2697	
Tribromsuccinic acid	$COOH.CHBr.CBr_2.COOH$	$C_4H_3Br_3O_4$	....	136–137	Petri	A., 195, 70	36, 373
" "	?	"	....	d.w.m. 200	Burgoin	C. R., 78, 1141	27, 786
Tetrabromethylic bromacetate	$CH_2Br.COO.CBr_2.CHBr_2$	$C_4H_3Br_5O_2$	175–177	Liquid	Kessel	B., 11, 1921	36, 138
Dibromomethacrylic acid	fr. $CH_2:CMe.COOH$	$C_4H_4Br_2O_2$	....	78	Cahours	A. C. [3], 67, 129	vi., 510, 511
Dibromcrotonic acid....	....	"	....	95–97	Pinner	B., 14, 1081	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromacetic anhydride	$(CH_2Br.CO)_2O$	$C_4H_4Br_2O_3$	245	Liquid 0	Gal	C. R., 71, 273	vii., 11; **24**, 232
Dibromsuccinic acid....	$COOH.CHBr.CHBr.COOH$	$C_4H_4Br_2O_4$	....	d.w.m.	....	G. H., 524	
Isodibromsuccinic acid	$COOH.CH_2.CBr_2.COOH$	,,	....	160	Kekulé	As. 2, 89	v., 459
Tetrabrombutyric acid	$C_3H_3Br_4.COOH$	$C_4H_4Br_4O_2$	....	115	Limpricht	A., 165, 296	vii., 828; **26**, 625
Bromomethacrylic acid	$CHBr:CMe.COOH$	$C_4H_5BrO_2$	228–230 p.d.	60	Cahours	A. C. [3], 67, 29	vi., 511
,, ,,	,,	,,	....	62–63	Richter	R. K. T.	
,, ,,	,,	,,	....	65	Kekulé	As., 2, 85	,,
,, ,,	,,	,,	....	*65*	Friedrich	A., 203, 351	**40**, 413
Isobromomethacrylic acid	$CH_2:C(CH_2Br).COOH$	,,	....	*65–66*	Krusemark	A., 206, 12, 22	**40**, 416
β-Bromcrotonic acid....	$CH_3.CBr:CH.COOH$	,,	....	90	....	J. p. [2], 25, 388, 394	
β- ,, ,, ...	,,	,,	....	*92*	Michael & Norton	A. C. J., 2, 15	**40**, 799
α- ,, ,, ...	$CH_3CH:CBr.COOH$	,,	....	*106·5*	,,	,,	,,
,, ,, ,, ...	,,	,,	cf. B., 15, 49	107–109	Bischoff & Guthzeit	B., 14, 617	
Ethylic oxalyl bromide	$COOEt.CO.Br.$	$C_4H_5BrO_3$	abt. 150	....	Richter	C. C., 1875, 446	**36**, 139
Bromsuccinic acid	$COOH.CHBr.CH_2.COOH$	$C_4H_5BrO_4$	....	159	....	A.	
,, ,, ...	,,	,,	....	*160*	Anschütz & Bennert	B., 15, 643	
,, ,, ...	,,	,,	....	160	Fittig	B., 9, 122	**29**, 898
Aldehyde bromal	$CBr_3.CHO+CH_3.CHO$	$C_4H_5Br_3O_2$	abt. 175	Liquid	Schützenberger	B. S. [2], 19, 8	**26**, 487
Ethylic tribromacetate	$CBr_3.COOEt$	,,	225	....	Gal	B. S., 5, 172	vi., 21
Tribrombutyric acid....	$C_3H_4Br_3.COOH$	,,	....	111	Michael & Norton	A. C. J., 2, 162	**40**, 799
,, ,, ...	,,	,,	....	114	,,	,,	,,
α-Bromisobutyric bromide	$CMe_2Br.COBr$	$C_4H_6Br_2O$	162–164	....	Kaschirsky	C. C., 1881, 287	**42**, 37
α-Brombutyric ,, ...	$CH_3.CH_2.CHBr.COBr$	,,	172–174	....	,,	,,	,,
Ethylic dibromacetate	$CHBr_2.COOEt$	$C_4H_6Br_2O_2$	*192*	Liquid	Schäffer	B., 4, 369	
,, ,,	,,	,,	194	....	Gal	B. S., 5, 172	vi., 21
,, ,,	,,	,,	192–195	....	Remi	B., 8, 695	**28**, 1004
Bromethylic bromacetate	$CH_2Br.COO.CH_2.CH_2Br.$	,,	230–240 d.	....	Demole	B., 9, 557	**30**, 283
,, ,,	$CH_2Br.COO.CHBr.CH_3$	,,	180–240 d. (o.p.); 130–135 (360)	....	Kessel	B., 10, 1995; 11 1917	**34**, 133
Dibromethylic acetate	$CH_3.COO.CH_2.CHBr_2$	,,	193–195 u.c.	....	Demole	B., 9, 51	
Methylic-α-α-dibrompropionate	$CH_3.CBr_2.COOMe$	,,	175–179	....	Philippi	A., 171, 323	
Methylic-α-β-dibrompropionate	$CH_2Br.CHBr.COOMe$	,,	*203 (745)*	Liquid	Münder & Tollens	B., 5, 74; A., 167, 229	**25**, 402; vii., 1012
,, ,,	,,	,,	205·8	....	Weger	A., 221, 61	**46**, 11
α-Dibrombutyric acid	....	,,	d.	s. —15	Schneider	A., 119, 279	vi., 380
,, ,, ,, ...	....	,,	....	Liquid	Michael & Norton	A. C. J., 2, 12	
,, ,, ,, ...	....	,,	150 (3)	Liquid	Friedel & Machuca	As., 2, 76	vi., 379
α-β- ,, ,, ...	$CH_3.CHBr.CHBr.COOH$	,,	....	78	Bulk	A., 139, 69	
,, ,, ,, ...	,,	,,	....	87–90	Kolbe	J. p. [2], 25, 385 397	
,, ,, ,, ...	,,	,,	....	87	Michael & Norton	A. C. J., 2, 12	
,, ,, ,, ...	,,	,,	....	*90*	Körner	A., 137, 234	vi., 510
Dibromisobutyric acid	....	,,	232 (760) p.d.	45–48	Cahours	R., 4, 145	vi., 379
,, ,, ...	....	,,	....	*48*	Kolbe	J. p. [2], 25, 373	**44**, 573
Methyl bromallyl oxide	$CH_3.O.C_3H_4Br$	C_4H_7BrO	115–116	....	Henry	Z. C. [2], 6, 575; B., 5, 455	vii., 50; **25**, 687
Isobutyric bromide	$CHMe_2.COBr$	,,	116–118	....	Kaschirsky	C. C., 1881, 273	**42**, 37
Butyric bromide	$CH_3.CH_2.CH_2.COBr$	,,	*126–127*	....	,,	,,	,,
,, ,, ...	,,	,,	128	....	....	J., 1857, 344	
Bromisobutyric aldehyde	....	$(C_4H_7BrO)_n$	....	128–129	...	A., 211, 353	
Bromethylic acetate....	$CH_3.COO.CHBr.CH_3$	$C_4H_7BrO_2$	135–145 p.d.	....	Tawildarow	B., 7, 731	**27**, 1080
,, ,, ..	$CH_3.COO.CH_2.CH_2Br$	,,	161–163	....	....	A., 171, 121	
Ethylic bromacetate....	$CH_2Br.COOEt$	,,	159	....	Aronstein	B., 14, 606	
,, ,, ...	,,	,,	*159*	....	Perkin and Duppa	11, 22	i., 665
,, ,, ...	,,	,,	159	....	Gal	B. S., 5, 172	vi., 21
α-Brombutyric acid	$CH_3.CH_2.CHBr.COOH$	,,	110 (3)	....	Friedel & Machuca	As., 2, 76	vi., 379
,, ,, ,, ...	,,	,,	180	Liquid —15	Schneider	A., 119, 279	vi, 379
,, ,, ,, ...	,,	,,	200	....	Naumann	A., 119, 115	,,
,, ,, ,, ...	,,	,,	*217 p.d.*	....	Friedel & Machuca	A., 120, 279	,,

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Brombutyric acid	$CH_3.CH_2.CHBr.COOH$	$C_4H_7BrO_2$	214–217	....	Kaschirsky	C. C. [1881], 278	**42**, 37
β-Bromisobutyric acid	$CH_2Br.CHMe.COOH$	"	....	*22*	Engelhorn	A., 200, 65	**38**, 379
α- " "	$Me_2.CBr.COOH$	"	....	42	Markownikoff	A., 138, 361	**vi.**, 379
" " "	"	"	....	45	Engelhorn	A., 200, 65	**38**, 379
" " "	"	"	....	45–46	Thomson	A., 200, 75	**38**, 380
" " "	"	"	*198–200 p.d.*	*48*	Hell & Waldbauer	B., 10, 448	**32**, 313
" " "	"	"	....	48	Kaschirsky	C. C., 1881, 27	**42**, 37
Bromhydroxybutyric acid	$C_3H_5Br(OH).COOH$	$C_4H_7BrO_3$	....	90	Melikoff	B. S., 43, 115	**48**, 650
" "	"	"	....	100–102	....	J. R., 7, 179	
Bromhydroxyisobutyric acid	$CH_2Br.CMe(OH).COOH$	"	....	*100–101*	Kolbe	J. p. [2], 25, 376	**44**, 573
" "	"	"	....	101	Melikoff	B. S., 43, 115	**48**, 650
Acetone bromoform	$COMe_2+CHBr_3$	$C_4H_7Br_3O$	....	167	Willgerodt	B., 14, 2458	**42**, 492
" "	"	"	....	*175*	Willgerodt & Müller	C. C. [1884], 808	**48**, 648
" "	"	"	$+xH_2O$	165–167	"	"	"
Bromal alcoholate	$CBr_3.CH(OH)(OEt)$	$C_4H_7Br_3O_2$	....	44	Schäffer	B., 4, 367	**24**, 558 ; **vii.**, 209
Glycerol methyldibromhydrin	$C_3H_5Br_2(OMe)$	$C_4H_8Br_2O$	185	....	Henry	B., 5, 455	**25**, 687
Ethylene oxybromide	....	$C_4H_8Br_2O_2$	95	65	....	A. C. [3], 69, 317	**ii.**, 580
Erythrol dibromhydrin	$C_4H_6Br_2(OH)_2$	"	....	130	Champion	C. R., 73, 114	**24**, 811 ; **vii.**, 471
Bromethyl oxide	$CH_2Br.CH_2.OEt$	C_4H_9BrO	127–128(755)	Liquid	Henry	C. R., 100, 1007	**48**, 882
Diethyleneglycol bromhydrin	$CH_2Br.CH_2.O.CH_2.CH_2.OH$	$C_4H_9BrO_2$	205	....	....	A. C. [3], 67, 286	
?	$(C_2H_4O_2)_2.Br_2.HBr.$	$C_4H_9Br_3O_4$	....	8 d.	Steiner	B., 7, 184	**27**, 566
Ethyl oxide + bromine	Et_2O+Br_3	$C_4H_{10}Br_3O$	....	22	....	A., 167, 86	
Tribrompyromucic acid	O.CBr : CBr.CBr : C.COOH	$C_5HBr_3O_3$	....	218–219	Hill and Sanger	B., 17, 1763	**46**, 1306
Dibrompyromucic acid	O.CBr : CH.CBr : C.COOH	$C_5H_2Br_2O_3$	....	*168*	"	B., 17, 1762	**46**, 1305
" "	O.CH : CBr.CBr : C.COOH	"	....	185	Canzoneri & Oliveri	G. I., 14, 172	**48**, 245
" "	"	"	....	184–186	Tönnies	B., 11, 1088	**34**, 786
" "	"	"	....	*192*	Hill and Sanger	B., 17, 1762	**46**, 1305
Tribromethylidene tribromlactate (Bromalide)	$CBr_3.CH.O.CH(CBr_3)COO$	$C_5H_2Br_6O_3$	....	158	Wallach & Reincke	B., 10, 2129 ; A., 193, 52	**34**, 404
Bromcitraconic anhydride	$C_3H_3Br.CO.O.CO$	$C_5H_3BrO_3$	....	95	Richter	R. K. T., 69	
" "	"	"	200	*97–98*	Lagermarck	Z. C. [2], 6, 299	**vii.**, 349
" "	"	"	225	....	Kekulé	As., 2, 92	"
" "	"	"	....	99–100	Richter	R. K. T., 69	
β-Brompyromucic acid	O.CH . CH.CBr : C.COOH	"	constit. cf. B. 11, 1840	*128–129*	Hill and Sanger	B., 17, 1762	**46**, 1306
γ- " "	O.CH : CBr.CH : C.COOH	"	"	155	Canzoneri & Oliveri	G. I., 14, 172	**48**, 245
" " "	"	"	"	*155*	Schiff & Tassinari	B., 11, 843	**34**, 721
" " "	"	"	"	156–157	"	G. I., 8, 297	
δ- " "	O.CBr : CH.CH : C.COOH	"	"	180	"	"	**36**, 308
" " " ...	"	"	"	183–184	Hill	B., 16, 1131	**44**, 912
" " "	"	"	"	*183–184*	Hill and Sanger	B., 17, 1763	**46**, 1306
?	....	$C_5H_3BrO_5$	$+H_2O$	d. 120	....	J. p. [2], 23, 441	
δ-Brompyromucic acid tetrabromide	$O.CBr_2.CHBr.CHBr.CBr.$ COOH	$C_5H_3Br_5O_3$	....	170 d.	Hill and Sanger	B., 17, 1763	**46**, 1306
Itadibrompyrotartaric anhydride	$C_3H_4Br_2.CO.O.CO$	$C_5H_4Br_2O_3$	....	50	Petri	B., 14, 1637	**40**, 1032
Pyromucic acid tetrabromide	O.CHBr.CHBr.CHBr.CBr. COOH	$C_5H_4Br_4O_3$	....	159–160 d.	Tönnies	B., 11, 1086	**34**, 786
Bromitaconic acid	....	$C_5H_5BrO_4$.	....	164 d.	....	J., 1873, 584	
Tribromethylidene lactate	$CBr_3.CH.O.CHMe.COO$	$C_5H_5Br_3O_3$	....	95–97	Wallach & Reincke	B., 10, 2130	**34**, 404
" "	"	"	....	95–97	Kilimenko	J. p. [2], 13, 100	**29**, 900
Ethylic tribrompyruvate	$CBr_3.CO.COOEt$	"	....	95–97	....	J. R., 8, 125	
Tribrompyrotartaric acid	$C_3H_3Br_3(COOH)_2$	$C_5H_5Br_3O_4$	....	w.m. 240	Lagermarck	Z. C. [2], 6, 303	**vii.**, 1034
Ethylic β-dibromacrylate	$CBr_2 : CH.COOEt$	$C_5H_6Br_2O_2$	212–214	Liquid	Petri	A., 195, 72	**36**, 373

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromvalerolactone	....	$C_5H_6Br_2O_2$	....	81	Wolff	A., 229, 249	**48**, 1124
Dibromlevulinic acid	....	$C_5H_6Br_2O_3$	d. 130–140	112–113	Hell and Kehrer	B., 17, 1982	**46**, 1298
Methylic dibromsuccinate	COOMe.CHBr.CHBr.COOH	$C_5H_6Br_2O_4$	....	d. w. m. 245	Claus	B., 15, 1846	
Itadibrompyrotartaric acid....	....	"	240–250 (o.p.) d.; 174–175 (i.v.) d.	....	Petri	B., 14, 1637	
Dibromglutaric acid....	fr. COOH.$(CH_2)_3$.COOH	"	....	*101–102*	....	B. S., 27, 348	
Dibrompyrotartaric acid	....	"	....	*127–128*	Bischoff & Emmert	B., 15, 1107	**42**, 1191
Citradibrompyrotartaric acid	....	"	....	150	Fittig	A., 187, 42	**32**, 738
" "	....	"	d. 165–170	150	"	B., 10, 517	**32**, 430
" "	....	"	....	*193–194 d.*	....	A., 206, 2	
Meta-dibrompyrotartaric acid	....	"	....	170 d.	"	B., 10, 517	**32**, 430
" " "	....	"	....	170	"	A., 187, 42	**32**, 738
" " "	....	"	....	*204 d.*	....	A., 206, 2	
Ethylic β-bromacrylate	CHBr : CH.COOEt	$C_5H_7BrO_2$	155–158·5	....	Wagner and Tollens	A., 171, 350	**27**, 681
Bromallylic acetate	CH_2 : CBr.CH_2.OAc	"	163–164	....	Henry	B., 5, 453	**25**, 686; vii., 50, 1018
Bromvalerolactone	"	"	....	l. – 15	Messerschmidt	A., 208, 101	**42**, 35
Bromlevulinic acid	....	$C_5H_7BrO_3$	....	59	Wolff	A., 229, 249	**46**, 1124
Bromethylmalonic acid	$CH_2Br.CH_2.CH(COOH)_2$	$C_5H_7BrO_4$	....	116	Fittig and Roeder	B., 16, 373	**44**, 730
" "	"	"	....	*116*	Roeder	A., 227, 13	**48**, 653
" "	"	"	....	116–117	Perkin	47, 814	
Itabrompyrotartaric acid	$C_3H_5Br(COOH)_2$	"	abt. 250 d.	130–134	....	Z. C., 1866, 722	vi., 981
" "	"	"	....	137	Landolt and Fittig	B., 9, 1193	**31**, 61
" "	"	"	....	137	Fittig	A., 187, 42	**32**, 737
Bromisopyrotartaric acid	$C_2H_4Br.CH(COOH)_2$	"	....	141	Claus	B., 10, 824; A., 191, 80	**32**, 593; **34**, 857
Citrabrompyrotartaric acid....	$C_3H_5Br(COOH)_2$	"	....	148	Fittig	A., 187, 42	**32**, 738
" "	"	"	....	148 d.	Fittig and Landolt	B., 9, 1193	**31**, 61
Brompyrotartaric acid	fr. COOH.CH_2.CHMe.COOH	"	....	202–204	Guthzeit & Bischoff	B., 14, 616	**40**, 579
Hydroxybrompyrotartaric acid	$C_3H_4Br(OH)(COOH)_2$	$C_5H_7BrO_5$	....	156 d.	Scherks	A., 227, 233	**48**, 513
Ethylic tribromlactate	CBr_3.CH(OH).COOEt	$C_5H_7Br_3O_3$	....	44–46	Wallach	A., 193, 52	**34**, 403
Ethylic α-dibrompropionate	$CH_3.CBr_2$.COOEt	$C_5H_8Br_2O_2$	*190–191*	....	Philippi and Tollens	B., 6, 517	vii., 1011; **26** 1019
" " "	"	"	191–192	....	Tollens	A., 171, 324	
" αβ- "	CH_2Br.CHBr.COOEt	"	211–214	....	Münder and Tollens	B., 5, 73	**25**, 404
" " "	"	"	211–214(746)	....	"	A., 167, 230	vii., 1012
" " "	"	"	210–214	....	Philippi and Tollens	B., 6, 517	**26**, 1019
" " "	"	"	*214·6*	....	Weger	A., 221, 61	**46**, 11
Dibromvaleric acid	fr. $CH_3.(CH_2)_3$.COOH	"	....	57–58	Messerschmidt	A., 208, 110	**42**, 35
" "	fr. Angelic acid	"	....	76 p. d.	Jaffé	A., 135, 291	vi., 157
" "	C_2H_4Br.CMeBr.COOH	"	....	82–83	Berendes	B., 10, 836	**32**, 593
" "	"	"	....	82–83	Schmidt	A. P. [3], 13, 213	**36**, 223
" "	"	"	....	*83–83·5*	Fittig	B., 10, 516	
" "	CH_3.CHBr.CBrMe.COOH	"	....	86·5	Schmidt	B., 12, 255	
" "	"	"	....	86–86·5	Pagenstecher	A., 195, 123	**36**, 456
Bromallylethyloxide....	CH_2 : CBr.CH_2.OEt	C_5H_9BrO	130–135	Liquid	Henry	B., 5, 189	vii., 50
Isovaleric bromide	$CHMe_2.CH_2$.COBr	"	143	....	Béchamp	C. R., 42, 224	v., 979
Ethylic α-brompropionate	CH_3.CHBr.COOEt	$C_5H_9BrO_2$	158	....	....	M. C., 2, 543	
" "	"	"	159–160 d.	....	Henry	A., 156, 176	
" "	"	"	160–165	....	....	A., 197, 13	
" "	"	"	162	....	....	A., 216, 31	
" "	"	"	129–132(160)	....	....	A., 206, 319	
Methylic α-brombutyrate	Me.CH_2.CHBr.COOMe	"	165–172	....	Duvillier	C. R., 88, 598	**36**, 523
α-Bromisovaleric acid	$CHMe_2$.CHBr.COOH	"	226–230	....	Cahours	As., 2, 78	v., 978
α-Brom-methylethylacetic acid	$CH_3.CH_2$.CMeBr.COOH	"	....	66–66·5	Pagenstecher	A., 195, 110	**36**, 455
Glycerol acetobromhydrin	$C_3H_5Br(OAc)(OH)$	$C_5H_9BrO_3$	175 (100)	....	....	J., 1878, 523	
" ethyldibromhydrin	$C_3H_5Br_2(OEt)$	$C_5H_{10}Br_2O$	193–195	....	Morkownikoff	Z. C., 1865, 554	vi., 99
Tribromquinone	$C_6HBr_3 : O_2$	$C_6HBr_3O_2$	....	108	....	A. C. [5], 15, 67	
"	"	"	....	147	Sarauw	A., 209, 120	**40**, 1136

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tribromhydroxyquinone	$C_6Br_3(OH):O_2$	$C_6HBr_3O_3$	....	206–207	Barth and Schreder	M. C., 5, 589	**48**, 520
Bromoxytetrabrombenzene...	$C_6HBr_4.OBr$	C_6HBr_5O	....	121	....	M. C., 1, 361	
Pentabromphenol	$C_6Br_5.OH$	,,	....	225	Körner	A., 137, 210	vi., 908
Pentabromresorcinol ...	$C_6Br_4.OH.OBr=6.5.4.2.3.1$	$C_6HBr_5O_2$	....	113·5	Stenhouse	P. R., 20, 72; A., 163, 184	**25**, 298; vii., 1042
Phlorobromin	....	C_6HBr_5O	....	152	Benedikt	A., 189, 166	**34**, 499
Brom. deriv. of Bromanilaminic acid	....	C_6HBr_1O	....	110·5	Stenhouse	As., 8, 22	vi., 986
Dibromquinone	$C_6H_2Br_2:O_2=?.?.4.1$	$C_6H_2Br_2O_2$	....	76	....	J. p. [2], 24, 465	
,, ...	,, ,,	,,	....	88	....	A. C. [5], 15, 67	
,, ...	,, ,,	,,	....	122	Levy and Schultz	A., 210, 157	**42**, 510
,, ...	,, ,,	,,	....	188	Schulz	B., 15, 655	
,, ...	,, ,,	,,	....	188	Sarauw	A., 209, 113	**40**, 1136
Bromoxylbromcomenic acid		$C_6H_2Br_2O_5$	$+3H_2O$	d. 105	....	J. p. [2], 26, 467	
Bromoxytribrombenzene	$C_6H_2Br_3.OBr$	$C_6H_2Br_4O$	....	109	Benedikt	A., 199, 128	
,,	,,	,,	....	118	,,	M. C., 1, 360	**38**, 246
Tetrabromphenol	$C_6HBr_4.OH=6.4.3.2.1$	,,	....	120	Körner	A., 137, 209	vi., 908
Tetrabromresorcinol... ..	$C_6Br_4(OH)_2=6.5.4.2.3.1$	$C_6H_2Br_4O_2$	....	*163*	Claassen	B., 11, 1440	**34**, 867
,,	,, ,,	,,	....	167	Benedikt	M. C., 1, 366	
Tetrabrompyrocatechol ...	,, =6.5.4.3.2.1	,,	....	187	Stenhouse	C. R., 29, 95	**27**, 587
Tetrabromquinol	,, =6.5.3.2.4.1	,,	....	244	....	A.	
Bromphenylene oxide	$C_6H_3Br:O$	C_6H_3BrO	....	195	Marker	A., 124, 250	v., 161
Bromquinone....	$C_6H_3Br:O_2=5.4.1$	$C_6H_3BrO_2$	....	*55–56*	Sarauw	A., 209, 102, 106	**40**, 1135
,, ...	,, ,,	,,	....	55–56	Schulz	B., 15, 656	
,, (?)	....	,, (?)	....	abt. 88	Étard	A. C. [5], 22, 218	**40**, 583
Bromcoumalinic acid	$C_4H_2Br(NH_2)(COOH)_2$	$C_6H_3BrO_4$	....	176	Pechmann	B., 17, 2397	**48**, 175
Dibromcitraconimide	$C_4H_2Br_2:(CO)_2:NH$	$C_6H_3Br_2O_2$	....	142–144	Mendini	G. I., 15, 182	**48**, 1126
Tribromphenol	$C_6H_2Br_3.OH=6.4.2.1$	$C_6H_3Br_3O$	....	89–90; 91	Baumann & Brieger	B., 12, 805	**36**, 789
,, ...	,, ,,	,,	....	92	Post	A., 205, 66	
,, ...	,, ,,	,,	....	92	Werner	C. R., 98, 1333	**46**, 900
,, ...	,, ,,	,,	....	abt. 93	Armstrong & Brown	....	**25**, 858
,, ...	,, ,,	,,	....	94	La Coste	B., 13, 2177	
,, ...	,, ,,	,,	....	94–95	Michaelis & La Coste	B., 18, 2112	
,, ...	,, ,,	,,	....	95	Sintenis	A., 161, 340	vii., 929
,, ...	,, ,,	,,	....	95	Körner	A., 137, 208	vi., 908
Tribromresorcinol	$C_6HBr_3(OH)_2=(?)_2 4.3.1$	$C_6H_3Br_3O_2$	$+xH_2O$	104	Typke	B., 10, 1578	
,, ...	,, ,,	,,	,,	111	....	A., 130, 357; M. C., 2, 474	
Tribromquinol	,, =5.3.2.4.1	,,	....	136	Sarauw	A., 209, 116	**40**, 1136
Tribromphlorglucinol	$C_6Br_3(OH)_3=6.4.2.5.3.1$	$C_6H_3Br_3O_3$	....	148 u.c.	Webster	47, 424	
Bromcitraconimide	$C_4H_3Br:(CO)_2:NH$	$C_6H_4BrO_2$	....	179–182	Mendini	G. I., 15, 182	**48**, 1126
Dibromphenol	$C_6H_3Br_2.OH=4.2.1$	$C_6H_4Br_2O$	154 (11)	*40*	Körner	A., 137, 205	vi., 908, 929; **24**, 252
,, ...	,, ,,	,,	154 (47)	40	Werner	C. R., 98, 1333	**46**, 900
,, ...	,, ,,	,,	....	40	Baeyer	A., 202, 36	**38**, 658
,, ...	,, =6.2.1	,,	....	55–56	,,	A., 202, 36; B., 9, 1232	**31**, 308; **38**, 658
,, ...	,, ,,	,,	....	*55*	Möhlau	B., 15, 2494	
β-Dibromresorcinol	$C_6H_2Br_2(OH)_2=?.?.3.1$	$C_6H_4Br_2O_2$	....	83–85	Zehenter	M. C., 2, 479	**42**, 194
α- ,, ...	,, ,,	,,	....	92–93	Hofmann	B., 8, 64	**28**, 571
,, ,, ...	,, ,,	,,	....	*92–93*	Baeyer	A., 183, 57	**31**, 204
Isodibromquinol (=$C_6H_3Br.OH.OBr$?)	,, =?.?.4.1	,,	....	86–87	Sarauw	A., 209, 109	**40**, 1136
Dibromquinol	,, =?.3.4.1	,,	....	185–186	Wichelhaus	B., 12, 1505	**38**, 42
,, ...	,, ,,	,,	....	186; 186–187	Sarauw	A., 209, 100, 107	**40**, 1135, 1136
,, ...	,, ,,	,,	....	188	Schulz	B., 15, 655	
Acetylic mucobromate	$C_3HBr_2O.COOAc$	$C_6H_4Br_2O_4$	....	53–54	Jackson and Hill	B., 11, 1673	**36**, 224
Bromphenol	$C_6H_4Br.OH=1.2$	C_6H_5BrO	*236–238*	Liquid 10–12	Fittica	J. p. [2], 28, 176	**46**, 55
,, ...	,, ,,	,,	194–195	Liquid	Fittig and Mager	B., 8, 363	,,
,, ...	,, ,,	,,	235	Liquid	Hübner & Brenken	B., 6, 170	vii., 905
,, ...	,, ,,	,,	....	Liquid	Körner	G. I., 4, 387	**29**, 228
,, ...	,, = ?	,,	132(22)118(9)	Liquid—18	,,	A., 137, 197	vi., 907

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromphenol	$C_6H_4Br.OH$=1.3	C_6H_5BrO	....	Liquid	Körner	G. I., 4, 305	**29**, 228
,, ...	,, ,,	,,	227–229	....	Würster & Nölting	B., 7, 905	**27**, 1163
,, ...	,, ,,	,,	....	−18	Petersen	A., 159, 71	**24**, 249
,, ...	,, ,,	,,	*236–236·5*	*32–33*	Fittig and Mager	B., 8, 364	
,, ...	,, ,,	,,	236–236·5	32–33	Fittica	J. p. [2], 28, 176	**46**, 55
,, ...	,, =1.4	,,	235–236	63–64	Hübner & Brenken	B., 6, 173	**26**, 751
,, ...	,, ,,	,,	*238*	*63–64*	Fittig and Mager	B., 7, 1177	**28**, 147
,, ...	,, ,,	,,	....	63–64	Post	B., 7, 332	**27**, 800
,, ...	,, ,,	,,	....	63–64	Rakowski & Leppert	B., 8, 789	**26**, 1197
,, ...	,, ,,	,,	238	64	Fittica	J. p. [2], 28, 176	**46**, 55
,, ...	,, ,,	,,	137 (28)	64	Werner	C. R., 98, 1333	**46**, 900
,, ...	,, ,,	,,	....	66·4	Körner	G. I., 4, 387 ; J., [1875], 636	**29**, 228 ; **vii.**, 905
Bromquinol	$C_6H_3Br(OH)_2$ = 5.4.1	$C_6H_5BrO_2$	....	110	Sarauw	A., 209, 100, 105	**40**, 1135
,, ...	,, ,,	,,	....	110–112	Wichelhaus	B., 12, 1504	**38**, 42
,, ...	,, ,,	,,	....	110–112	Schulz	B., 15, 655	
Ethylic mucobromate	$C_3HBr_2O.COOEt$	$C_6H_6Br_2O_3$	....	50–51	Jackson and Hill	B., 11, 1672	**36**, 224
Tetrabromadipic acid	$C_4H_4Br_4(COOH)_2$	$C_6H_6Br_4O_4$	....	200–211	Limpricht	A., 165, 271	**vii.**, 29 ; **26**, 623
Methylic brommaleate	$C_2HBr(COOMe)_2$	$C_6H_7BrO_4$	237–338 u.c.; 126–129 (30–40)	Liquid	Anschütz	B., 12, 2284	
,, bromfumarate	,,	,,	....	30	,,	,,	
Bromhydromuconic acid	....	,,	....	183	Limpricht	A., 165, 265	**26**, 622 ; **vii.**, 827
Tribromadipic acid	$C_4H_5Br_3(COOH)_2$	$C_6H_7Br_3O_4$	....	177–180	,,	A., 165, 269	**vii.**, 28 ; **26**, 623
Dibromallyl oxide	$(C_3H_4Br)_2O$	$C_6H_8Br_2O$	212–215	....	Henry	B., 6, 729	**26**, 1123
Allylic α-β-dibrompropionate	$CH_2Br.CHBr.COO.C_3H_5$	$C_6H_8Br_2O_2$	215–220 (746·5)	....	Münder & Tollens	A., 167, 230 ; B., 5, 73	**25**, 402 ; **vii.**, 1012
Dibromhydrosorbic acid	....	,,	....	94–95	Kachel and Fittig	A., 168, 287	**27**, 44
Ethylic dibromsuccinate	COOH.CHBr.CHBr.COOEt	$C_6H_8Br_2O_4$	....	275 u.c.	Claus	B., 15, 1844	**44**, 44
Dimethylic ,, ...	COOMe.CHBrCHBr.COOMe	,,	....	61·5–62	Anschütz	B., 12, 2282	
,, ,, ...	,,	,,	....	62·5	Claus	B., 15, 1846	
,, ,,	,,	,,	....	*62–64*	....	J. R., 11, 288	
Dibrompropylmalonic acid	$C_3H_5Br_2.CH(COOH)_2$	,,	....	119–121	Hjelt	B., 15, 624	**42**, 947
Dibromadipic acid	$C_4H_6Br_2(COOH)_2$	,,	....	115–122	....	A., 165, 266	
,, ,, ...	,,	,,	....	175–190 d.	Limpricht	A., 165, 253	**vii.**, 28 ; **26**, 623
,, ,, ...	,,	,,	....	205	Ador	B., 4, 627	
Tetrabromcaproic acid	$C_5H_7Br_4.COOH$	$C_6H_8Br_4O_2$	....	178–179	Barringer & Fittig	A., 161, 325	**vii.**, 1091
,, ,, ...	,,	,,	....	183	....	A., 168, 277 ; 200, 58	
Ethylic bromomethacrylate	fr. CH_2:CMe.COOH	$C_6H_9BrO_2$	192–193	Liquid	Cahours	As., 2, 349	**vi.**, 511
Hemibromhydrin	....	,,	b. 200	....	Berthelot and Luca	A., 101, 72	**i.**, 669
Propylic α-dibrompropionate	$CH_3.CBr_2.COOPr^{\alpha}$	$C_6H_{10}Br_2O_2$	200–204	....	Philippi	A., 171, 324	
,, α-β- ,,	$CH_2Br.CHBr.COOPr^{\alpha}$	,,	233	....	Weger	A., 221, 61	**46**, 11
Ethylic dibrombutyrate	$C_3H_5Br_2.COOEt$.	,,	191–193	....	....	....	**vi.**, 380
Dibromcaproic acid	$C_5H_9Br_2.COOH$	,,	....	68	Fittig	B., 9, 120	**29**, 897
,, ,, ...	,,	,,	....	68	Fittig and others	A., 200, 44	**38**, 377
,, ,, ...	Et.CH_2.CHBr.CHBr.COOH	,,	....	77	Markownikoff	B., 6, 1176	
,, ,, ...	,,	,,	....	*80·5*	Fittig and others	A., 200, 35	**38**, 376
,, ,, ...	$C_2HBr_2MeEt.COOH$	,,	....	97·6	....	M. C., 4, 77	
α- ,, ,, ...	....	,,	....	99	Mulck	A., 180, 54	**29**, 924
Dibromisocaproic acid	....	,,	....	99–100	Geisler	A., 208, 46	**42**, 42
,, ,, ...	....	,,	....	90–91	Engelhorn	A., 161, 314 ; 200, 46	
Ethylic α-bromisobutyrate	$Me_2.CBr.COOEt$.	$C_6H_{11}BrO_2$	157–160	....	Markownikoff	B., 6, 1440	**27**, 359
,, ,, ...	,,	,,	158–159	....	Hell & Wittekind	B., 7, 320	
,, ,, ...	,,	,,	160 u.c. ; 162·7 c.(746)	....	Hell & Waldebauer	B., 10, 449	**32**, 313
,, ,, ...	,,	,,	160 u.c. ; *163·6* (761·9)	....	Markownikoff	A., 182, 336	
,, α-brombutyrate	$C_2H_5.CHBr.COOEt$	,,	169–174	....	Hell & Mühlhäuser	B., 13, 474	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic α-brombutyrate	$C_2H_5.CHBr.COOEt$	$C_6H_{11}BrO_2$	170–172	....	Hell and Lauber	B., 7, 561	**27**, 887
" "	"	"	171–172	....	....	....	**26**, 495
" "	"	"	175–178	....	Cahours	J., 15, 248	vi., 379
" "	"	"	*178 c.*	....	Tupoleff	A., 171, 249	**27**, 565
" "	"	"	175–185	....	....	....	**26**, 495
" ?- "	$C_3H_6Br.COOEt$	"	abt. 185 p.d.	....	Schneider	A., 119, 115	vi., 379
Bromcaproic acid	$CH_3.(CH_2)_3.CHBr.COOH$	"	abt. 240	....	Cahours	As., 2, 78	vi., 395
" "	$C_2H_4Br.CHEt.COOH$	"	....	Liquid—18	Fittig	B., 9, 121	**29**, 897
" "	"	"	....	Liquid—18	Fittig and others	A., 200, 42	**38**, 377
" "	$C_3H_5EtBr.COOH$	"	....	25	"	A., 200, 24	**38**, 375
" "	$C_5H_{10}Br.COOH$	"	....	85–86	....	J. R., 11, 128	
Mannitol bromhydrin	$C_6H_8Br(OH)_3:O$	$C_6H_{11}BrO_4$	....	100	Bouchardat	A. C. [5], 6, 122; C. R., 75, 1187	vii., 776; **26**, 161
Dulcitol "	"	"	....	143	....	A. C. [4], 27, 184	
Dibromhexylalcohol	$C_6H_{11}Br_2.OH$	$C_6H_{12}Br_2O$	252–254	....	Destrem	B., 16, 228	
Mannitol dibromhydrin	$C_6H_8Br_2(OH)_4$	$C_6H_{12}Br_2O_4$	....	178 d.	Bouchardat	A. C. [5], 6, 120; C. R., 75, 1181	vii., 774; **26**, 161
Hexylene bromhydrin	Me.CHBr.CHPr.OH	$C_6H_{13}BrO$	188–190(769)	Liquid	Henry	C. R., 97, 260	**46**, 34
Bromacetal	$CH_2Br.CH(OEt)_2$	$C_6H_{13}BrO_2$	*170 p. d.*	....	Pinner	B., 5, 149	vii., 1; **25**, 406
"	"	"	171	....	Wislicenus	A., 192, 112	**34**, 777
Triethylene glycol bromhydrin	....	$C_6H_{13}BrO_3$	250	....	....	A. C. [3], 67, 286	
Pentabrombenzoic acid	$C_6Br_5.COOH$	$C_7HBr_5O_2$	....	234–235	Reinecke	Z. C. [2], 5, 110	vi., 310
Tribrombenzoic acid....	$C_6H_2Br_3.COOH = ?$	$C_7H_3Br_3O_2$	....	178	Hübner	B., 10, 1705	**34**, 149
" "	" = ?	"	....	186·5	"	B., 10, 1708	"
" "	" = ?.4.3.1	"	....	195	"	B., 10, 1706	"
" "	" = ?	"	....	234–235	Reinecke	Z. C. [2], 5, 110	vi., 310
Tribromtoluquinone	$C_6Me.Br_3:O_2 = 1.3.4.6.2.5$	"	....	235–236	Canzoneri & Spica	G. I., 12, 469; B., 16, 793	**44**, 330
Tribromdihydroxybenzoicacid	$COOH.(OH)_2.Br_3 = 1.3.5.2.4.6$	$C_7H_3Br_3O_4$	....	183	Barth and Senhofer	A., 159, 225	vii., 433
Pentabromorcinol	....	$C_7H_3Br_5O_2$	....	126	Stenhouse	P. R. S., 20, 72; A., 163, 180; 169, 252	**25**, 297; vii., 879
Dibrombenzoic acid	COOH.Br.Br = 1.2.3	$C_7H_4Br_2O_2$	....	146–148	Neville & Winther	B., 13, 965	**37**, 435
" "	" "	"	....	*148*	Claus and Lade	B., 14, 1170	**40**, 814
" "	" "	"	....	150	Hübner & Lawrie	B., 10, 1706	**34**, 149
" "	" "	"	....	153	"	B., 10, 1705	**34**, 148
" "	" = 1.2.5	"	....	149–151	Neville & Winther	37, 435	
" "	" "	"	....	151; a. s. *151–152*	Richter	B., 7, 1147; 8, 1422	**28**, 73
" "	" "	"	....	151–153	Neville & Winther	B., 13, 963	**37**, 435
" "	" "	"	....	153	Hübner	A., 222, 67	**46**, 316
" "	" "	"	....	153	Claus and Lade	B., 14, 1170	**40**, 814
" "	" = 1.2.6	"	....	*150–167*	Neville & Winther	37, 441	
" "	" = 1.2.4	"	....	166–168	"	B., 13, 972	**37**, 443
" "	" "	"	....	*168–170*	"	"	**37**, 442
" "	" = 1.3.5	"	....	207–210	"	B., 13, 967	**37**, 437
" "	" "	"	....	208–209	"	"	**37**, 438
" "	" "	"	....	208–209	Richter	B., 8, 1423	
" "	" "	"	....	213–214	Hesemann & Köchler	A., 222, 166	**46**, 600
" "	" "	"	....	223–227	Hübner	Z. C. [2], 5, 514	vi., 310
" "	" "	"	....	*223–227*	Hübner and Angerstein	A., 158, 10	**24**, 364
" "	" = 1.3.?	"	....	228	Hübner & Lawrie	B., 10, 1705	**34**, 148
" "	" = 1.3.4	"	....	223	Halberstadt	B., 14, 2215	**42**, 183
" "	" "	"	....	228	"	B., 14, 908	
" "	" "	"	....	229	Hübner and Smith	B., 10, 1706	**34**, 148
" "	" "	"	....	229–230	Burghard and Beutnagel	A., 222, 166	**44**, 600
" "	" "	"	....	*229–230*	Burghard	B., 8, 559	**2**, 892
" "	" "	"	....	232–233	Neville & Winther	B., 13, 970	**37**, 439

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromtoluquinone	$C_6HMe.Br_2:O_2$	$C_7H_4Br_2O_2$	....	85	Canzoneri & Spica	G. I., 12, 469; B., 16, 793	**44**, 331
Dibromsalicylic acid....	$COOH.OH.Br_2=1.2.(?)_2$	$C_7H_4Br_2O_3$	....	abt. 150	Cahours	A. C. [3], 7, 102	v., 156
" "	" =1.2 or 6.3.4	"	....	218	Hübner and Smith	B., 10, 1706	**34**, 149
" "	" $=1.2.(?)_2$	"	...	219	Hübner & Rollwage	B., 10, 1707	"
" "	" "	"	....	221	Hübner and Lawrie	B., 10, 1706	**34**, 148
" "	" =1.2.3.5	"	....	223	Lellmann & Grothmann	B., 17, 2728	**48**, 265
Dibromhydroxybenzoic acid	" $=1.4.(?)_2$	"	....	266–268	Balbiano	G. I., 13, 65	**44**, 1125
Dibromdihydroxybenzoic acid	$COOH.(OH)_2.Br_2=1.2.6.3.4$	$C_7H_4Br_2O_4$	....	214 d.	Zehenter	M. C., 2, 475	**42**, 193
Dibromgallic acid	$COOH.(OH)_3.Br_2=1.3.4.5.2.6$	$C_7H_4Br_2O_5$	$+H_2O$	140	Grimaux	As., 5, 235	
" "	" "	"	"	*150*	Etti	B., 11, 1882	
Tetrabromcresol	$Me.OH.Br_4=1.4.2.3.5.6$	$C_7H_4Br_4O$	....	108–110 d.	Baumann & Brieger	B., 12, 804	**36**, 789
Benzoyl bromide	$C_6H_5.COBr$	C_7H_5BrO	218–219	0	Claisen	B., 14, 2473	**42**, 514
Brombenzaldehyde	$C_6H_4Br.COH=1.2$	"	....	Liquid	....	A. C. J., 3, 32	
"	" =1.3	"	....	Liquid	....	"	
"	" =1.4	"	....	57	Jackson and White	B., 11, 1043	**34**, 729
Brombenzoic acid	COOH.Br=1.2	$C_7H_5BrO_2$	....	90 (?)	Richter	Z. C. [2], 5, 457	vi., 310
" "	" "	"	sb. 250	100	Peligot	A., 28, 246	i., 555
" "	" "	"	....	137·5	Richter	B., 4, 462, 465	**24**, 688
" "	" "	"	....	137	Hübner & Retschy	Z. C. [2], 7, 631	vii., 1173; **25**, 697
" "	" "	"	....	143–144	Bedson	37, 95	
" "	" "	"	....	147–148	Schramm	B., 18, 1273	
" "	" "	"	....	148	Zincke	B., 7, 1502	**38**, 119
" "	" "	"	....	*150*	Rahlis	A., 198, 99	"
" "	" "	"	....	152	Lennep	Z. C. [2], 7, 67	**24**, 370
" "	" "	"	....	153	Wroblewsky	Z. C. [2], 5, 322	vi., 280
" "	" "	"	....	158	Schultz, Schmidt and Strasser	A., 207, 348	**40**, 912
" "	" = ?	"	....	152–153	Reinecke	Z. C. [2], 5, 109	vi., 309
" "	" =1.3	"	....	151	Jackson	B., 9, 932	**30**, 512
" "	" "	"	....	153	Sandmeyer	B., 18, 1496	
" "	" "		....	*153*	Hübner and Angerstein	A., 158, 5, 19	**24**, 363; vii., 161
" "	" "	"	....	153	Wroblewsky	Z. C. [2], 7, 135	**24**, 564; vii., 1177
" "	" "	"	....	154	"	B., 8, 574; A., 192, 196	**28**, 886; **34**, 977
" "	"	"	....	154	Körner	G. I., 4, 305	**29**, 216
" "	" "	"	....	155	Hübner & Retschy	Z. C. [2], 7, 631	**25**, 697; vii., 1173
" "	" "	"	....	155	Hübner	A., 162, 71	**25**, 624; vii., 1065
" "	" =1.4	"	....	239–240	Jackson	B., 9, 931	**30**, 512
" "	" "	"	....	240	Schramm	B., 17, 2923	
" "	" "	"	....	245	Hübner and Post	A., 169, 1	**27**, 56
" "	" "	"	....	248	Carnelley & Thomson	47, 587	
" "	" "	"	....	248–251	Hübner	B., 10, 1707	**34**, 149
" "	" "	"	....	248	Raveill & Hübner	A., 222, 166	**46**, 600
" "	" "	"	....	a. 250	Weith and Landolt	B., 7, 1746; 8, 717	**28**, 1200
" "	" "	"	....	250	Étard	C. R., 87, 989	**36**, 320
" "	" "	"	....	251	Hübner and Olly	J. [1866], 347	vi., 310; vii., 161
" "	" "	"	....	251	Radziszewski	Z. C. [2], 5, 356	vi., 1102
" "	" "	"	....	*251*	Hübner and Angerstein	A., 158, 1	**24**, 363
" "	" "	"	....	251	Hübner & Retschy	Z. C. [2], 7, 631	vii., 1173; **25**, 697
" "	" "	"	....	251	Burghard	B., 8, 558	**28**, 892

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Brombenzoic acid	COOH.Br=1.4	$C_7H_5BrO_2$	....	251	Étard	A. C. [5], 22, 218	40, 581
" "	" "	"	....	251	Halberstadt	B., 14, 910	
" "	" "	"	....	251	Schramm	B., 18, 1273	
Bromsalicylic aldehyde	CHO.OH.Br=1.2. ?	"	....	98–99	Henry	B., 2, 275; Z. C. [2], 5, 371, 478	vi., 1008
Bromhydroxybenzaldehyde....	" =1.4. ?	"	....	179–180	Herzfeld	B., 10, 2198	34, 423
Bromhydroxybenzoic acid	COOH.OH.Br=1.2.5	$C_7H_5BrO_3$	....	164–165	Hübner and Heinzerling	Z. C. [2], 7, 711	25, 894
" "	" "	"	sb. 150–155	164–165	Henry	B., 2, 275	
" "	" "	"	....	*165*	Lellmann and Grothmann	B., 17, 2729	48, 265
" "	" =1.2.3	"	....	*184*	"	B., 17, 2726	"
" "	" "	"	....	219–220	Hübner and Heinzerling	Z. C. [2], 7, 711	25, 894
Hydroxybromtoluquinone	C_6HMe.Br.(OH).:O_2	"	....	196–197	Spica & Magnanimi	G. I., 13, 312	46, 175
Bromdihydroxybenzoic acid	COOH.$(OH)_2$.Br=1.2.6. ?	$C_7H_5BrO_4$	....	184 d.	....	M. C., 2, 480	
" " ...	" =1.3.5. ?	"	....	253	Barth and Senhofer	A., 164, 115	25, 1015; vii., 433
Bromgallic acid	COOH.$(OH)_3$.Br=1.3.4.5.6.	$C_7H_5BrO_5$	....	a. 200 d.	Grimaux	B. S. [2], 7, 479	vi., 628
Tribrommethoxybenzene	$C_6H_2Br_3$.OMe	$C_7H_5Br_3O$	....	87	Reinecke	B. S. [2], 7, 177	vi., 173
Tribromomethoxyphenol	OMe.OH.Br_3=1.2.$(?)_3$	$C_7H_5Br_3O_2$	....	102	Tiemann & Koppe	B., 14, 2017	42, 54
" "	" =1.3.$(?)_3$	"	....	99	....	M. C., 1, 368	
" "	" "	"	....	*104*	Tiemann and Parrisius	B., 13, 2364	40, 270
Tribromorcinol	Me.$(OH)_2$.Br_3=1.3.5.2.4.6	"	....	98	Hesse	A., 68, 96	iv., 214
"	" "	"	....	*103*	Lamparter	A., 134, 257	"
Tribromtoluquinol	" =1.2.5.3.4.6	"	....	201–202	Canzoneri & Spica	G. I., 12, 469; B., 16, 793	44, 331
Methylic bromcoumalinate	$C_5H_3BrO_2$.COOMe	$C_7H_5BrO_4$	....	134	Pechmann	B., 17, 2379	48, 176
Dibrommethoxybenzene	OMe.Br.Br=1.2.4	$C_7H_6Br_2O$	....	54	Cahours	A., 52, 331	i., 305
" "	" "	"	272	*59*	Körner	A., 137, 206	vi., 908
Bromomethoxybenzene	OMe.Br=1.4	C_7H_7BrO	220 u. c.	Liquid	Henry	B., 2, 711; Z. C. [2], 6, 247	vi., 916
" "	" "	"	*223 c.*	....	Körner	A., 137, 203	vi., 907
Brombenzylalcohol	(CH_2OH).Br=1.4	"	....	69	Jackson & Lowery	B., 10, 1209	34, 64
" "	$(CH_2.OH)$.Br=1.4	"	....	77	"	A. C. J., 3, 246	
" "	" "	"	....	*77–77·5*	Schramm	B., 17, 2923	
" "	" =1.2	"	....	80	Jackson and White	B., 13, 1218; A. C. J., 2, 316	38, 879
Bromcresol	Me.OH.Br=1.4.5	"	213–214	l. f. m.	Schall and Dralle	B., 17, 2530	48, 146
"	" =1.4.6	"	218–220	17–18	Vogt & Henninger	C. R., 94, 650	42, 729
"	" =1.3.5	"	....	56–57	Neville & Winther	B., 15, 2991	41, 421
"	" =1.2.?	"	....	88·5	Wroblewsky	Z. C. [2], 7, 135; A., 168, 165	24, 565; 27, 52
Bromorcinol	Me.$(OH)_2$.Br=1.3.5.?	$C_7H_7BrO_2$	....	135	Lamparter	A., 134, 258	iv., 213
Ethylic pyromucate tetrabromide	CHBr.$(CHBr)_2$.O.CBr.COOEt	$C_7H_8Br_4O_3$	....	46–48	Tönnies	B., 11, 1086	34, 786
Bromterebic acid	....	$C_7H_9BrO_4$	....	151 d.	Frost	A., 226, 363	48, 393
Methylic ethylic dibromsuccinate	COOMe.$(CHBr)_2$.COOEt	$C_7H_{10}Br_2O_4$	....	62·5 u. c.	Claus	B., 15, 1846	
Ethylic bromlevulinate	C_4H_6BrO.COOEt	$C_7H_{11}BrO_3$	240 p. d.	....	Conrad & Guthzeit	B., 17, 2286	48, 43
Glycerol dicetobromhydrin	$C_3H_5Br(OAc)_2$	$C_7H_{11}BrO_4$(?)	170–180(100)	....	Hanriot	A. C. [5], 17, 62	36, 1030
Isobutylic α-dibrompropionate	$CH_3.CBr_2$.COOBu$^\beta$	$C_7H_{12}Br_2O_2$	213–218	....	Philippi	A., 171, 324	
Ethylic dibromvalerate	fr. CHMeEt.COOEt	"	185	....	Jaffé	A., 135, 298	
Bromamylene ethylate	C_5H_8Br.OEt.	$C_7H_{13}BrO$	177–180	....	Bauer	Z.C.P.(1861),673	vi., 120
" "	"	"	177–180	....	Reboul	A., 133, 84	
Isoamylic bromacetate	$CH_2Br.COOC_5H_{11}$	$C_7H_{13}BrO_2$	207	....	Perkin and Duppa	11, 22	i., 666
Ethylic α-bromvalerate	$CH_3.(CH_2)_2$.CHBr.COOEt	"	190–192	Liquid	Juslin	B., 17, 2504	48, 137
" α-bromisovalerate	$CHMe_2$.CHBr.COOEt	"	190–194	....	Borodine	A., 119, 121	v., 978
Bromœnanthic acid	....	"	250	....	....	As., 2, 83	
Glycerol diethylbromhydrin	$C_3H_5Br.(OEt)_2$	$C_7H_{15}BrO_2$	195–205	Liquid	Henry	B., 4, 704	24, 908

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tribromphthalic anhydride	$C_6HBr_3:(CO)_2:O$ =?.4.3.2.1	$C_8HBr_3O_3$	....	157	Flessa	B., 17, 1484	**46**, 1186
Dibromphthalic „	$C_6H_2Br_2:(CO)_2:O$ =(?)$_2$.2.1	$C_8H_2Br_2O_3$	....	207·5–208	Guareschi	A., 222, 262	**46**, 842
„ „	„ „	„	....	*208*	Blümlein	B., 17, 2491	**48**, 163
Tetrabromphthalic acid	$C_6Br_4(COOH)_2$ =6.5.4.3.2.1	$C_8H_2Br_4O_4$	....	266 d.	„	B., 17, 2494	**48**, 164
Bromphthalic anhydride	$C_6H_3Br:(CO)_2:O$ =3.2.1	$C_8H_3BrO_3$	....	60–65	Pechmann	B., 12, 2126	
„ „	„ =4.2.1	„	....	125	Smith	J. [1879], 143	**35**, 792
„ „	„ „	„	....	*132*	Guareschi	A., 222, 262	**46**, 843
„ „	„ „	„	....	134–135	Meldola	47, 511, 512	
„ „	„ „	„	....	138–140	Faust	A., 160, 62	„
„ „	„ =?.2.1	„	v. $C_8H_2Br_2O_3$	207·5–208	Guareschi	G. I., 7, 24 ; G. I. [1881], 542	**31**, 712 ; **42**, 734
Tribromphthalic acid	$(COOH)_2.Br_3$ =1.2.3.4.?	$C_8H_3Br_3O_4$	....	190–191	Flessa	B., 17, 1484	**46**, 1186
Dibromphthalide	....	$C_8H_4Br_2O_2$	....	188–189	Guareschi	A., 222, 262	**46**, 842
Dibromphthalic acid....	$(COOH)_2.Br_2$ =1.2.(?)$_2$	$C_8H_4Br_2O_4$	....	135	„	„	„
„ „	„ „	„	....	206	Blümlein	B., 17, 2490	**48**, 163
Dibromterephthalic acid	„ =1.4.5.?	„	....	320	Claus and Wimmel	B., 13, 904	**38**, 632
Bromcoumarone	fr. $C_6H_4.CH:CH.O$	C_8H_5BrO	....	36	Ebert	A., 226, 347	**48**, 391
Brompiperonal	$C_6H_2Br(COH).O.CH_2.O$ =?.1.3.4	$C_8H_5BrO_3$	....	129	Fittig and Mielck	A., 152, 49	vi., 948
Bromphthalic acid	$(COOH)_2.Br$ =1.2.3	$C_8H_5BrO_4$	....	135	Guareschi	B., 10, 294 ; G. I., 7, 24	**31**, 712 ; **43**, 3
„ „	„ „	„	....	138–140	Faust	A., 160, 62	
„ „	„ „	„	300–330	*138–140*	Pechmann	B., 12, 2126	
„ „	„ =1.2.4	„	cf. $C_8H_3BrO_3$	174	Meldola	47, 511, 512	
„ „	„ „	„	„	174–176	Guareschi	A., 222, 262	**46**, 843
„ „	„ „	„	„	197 u.c. =203 c.	Carnelley & Thomson	47, 591	
Bromisophthalic acid	„ =1.3.4	„	....	205	Schultz	B., 17, 469	
Bromterephthalic „	„ =1.4.5	„	....	304–305	Fischli	B., 12, 619	**36**, 639
„ „	„ „	„	....	290–295 u.c. =304–309 c.	Carnelley & Thomson	47, 590	
Brompiperonylic „	$C_6H_2Br(COOH).O.CH_2.O$ =?.1.3.4	„	....	204–205	Fittig and Mielck	A., 172, 158	**27**, 899
Tribromresorcinol acetate	$OH.OAc.Br_3$ =1.3.(?)$_3$	$C_8H_6Br_3O_3$	....	114	Claassen	B., 11, 1442	
Pentabromethylphenol	$C_6H_4.OH.(CBr_2.CBr_3)$	$C_8H_5Br_5O$	....	103–106 d.	....	A., 216, 284	
Dibromacetophenone	$Ph.CO.CHBr_2$	$C_8H_6Br_2O$	....	*36*	Hunnius	B., 10, 2010	**34**, 147
„ „	„	„	....	36–37	....	A., 195, 161	
Dibromethylenephenol	$HO.C_6H_4.C_2HBr_2$	„	240–250 s.d.	37–38	....	A., 216, 283	
?	....	„	d.	68–69	Jannasch	Z. C. [2], 7, 453	**25**, 241
Coumarone dibromide	$C_6H_4.O.CHBr.CHBr$	„	....	86	Fittig and Ebert	A., 216, 169	**44**, 474
Dibromphenyl acetic acid	$C_6H_3Br_2(CH_2.COOH)$	$C_8H_6Br_2O_2$	....	114–115	Bedson	37, 97	
Dibromtoluic acid	$COOH.Me.Br_2$ =1.3.(?)	„	....	185–186	Fittig, Ahrens, and Mattheides	A., 147, 36	vi., 1100
„ „	„ =1.4.3.6	„	....	195	Schultz	B., 18, 1762	**48**, 1054
Dibromxyloquinone	$C_6Me_2Br_2:O_2$ =1.3.(?)$_4$	„	....	174	....	A., 195, 273	
„	„ =1.4.(?)$_4$	„	....	184	....	J. p. [2], 23, 434	
Methyldibromsalicylic acid....	$COOH.OMe.Br_2$ =1.2.(?)$_2$	$C_8H_6Br_2O_3$	....	145	Cahours	A. C. [3], 10 339	v., 163
Dibromanisic acid	$COOH.OMe.Br_2$ =1.4.(?)$_2$	„	....	207–208	Reinecke	B. S. [2], 7, 177	vi., 173
„ „	„ „	„	....	213·5–214·5 c.	Crespi	G. I. [1881], 219	**42**, 192
Dimethoxydibromquinone	$C_6Br_2(OMe)_2:O_2$	$C_8H_6Br_2O_4$	....	175	Hofmann	B., 8, 67	**28**, 569
„ „	„	„	....	175	„	B., 11, 332	**34**, 418
Tetrabromethylphenol	....	$C_8H_6Br_4O$	....	58–59	....	A., 216, 283	
„ „	....	„	....	105–106	....	A., 156, 255	
?	....	„	....	138	Hantzch	A., 215, 51	**44**, 84
Tetrabrom-β-orcinol	$C_6Me_2Br_2(OBr)_2$	$C_8H_6Br_4O_2$	....	101	Stenhouse and Groves	A., 203, 293	**37**, 401
?	....	C_8H_7BrO	212–216	38–39	Jannasch	Z. C. [2], 7, 453	**25**, 242

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetophenone bromide	$Ph.CO.CH_2Br$	C_8H_7BrO	cf. B. 11, 931	50	Emmerling and Engler	B., 4, 148	**24**, 258
" "	"	"	....	50	Staedel and Kleinschmidt	B., 13, 837	**38**, 660
" "	"	"	....	50	Böttinger	B., 14, 1238	**40**, 815
" "	"	"	....	*50*	Hunnius	B., 10, 2008	
" "	"	"	....	50	Möhlau	B., 15, 2466	
Acetylenebromphenylin	....	"	220 ; d. 240	....	....	A., 216, 278	
Bromoxystyrolene	....	"	265	....	....	M. C., 1, 181	
Phenylbromacetic acid	Ph.CHBr.COOH	$C_8H_7BrO_2$	382	83–84	Glaser and Radziszewski	Z. C. [2], 4, 142 ; B., 2, 208	vi., 1101
Methylic brombenzoate	COOMe.Br=1.2	"	246–247	Liquid	Rahlis	A., 198, 109	**38**, 119
" "	" =1.3	"	....	31–32	....	A., 159, 14	
Brom-*a*-toluic acid	$(CH_2.COOH).Br$=1.4(?)	"	Mixture, cf. 37, 96	76	Radziszewski	B., 2, 208 ; Z. C., [2], 5, 358	vi., 1102
" "	" =1.3	"	....	*100–100·5*	Gabriel	B., 15, 841	**42**, 1071
" "	" =1.2	"	....	102·5–103	Jackson and White	B., 13, 1219 ; A. C. J., 2, 316	**38**, 879
" "	" "	"	....	*103–104*	Bedson	37, 95	
" "	" =1.4	"	....	*114–115*	"	37, 94	
" "	" "	"	....	114·5	Jackson & Lowery	B., 10, 1210 ; A. C. J., 3, 246	**34**, 64
Bromomethoxybenzaldehyde	COH.OH.Br=1.2. ?	"	....	113–114·5	Perkin	A., 145, 304	vi., 1008
"	" =1.4. ?	"	....	Solid	Cahours	A. C. [3], 14, 486	i., 306
Bromtoluic acid	COOH.Me.Br=1.3.6	"	....	*140–145*	Jacobsen	B., 14, 2352	**42**, 185
" "	" =1.3. ?	"	....	155	Kelbe	B., 15, 42	**42**, 619
" "	" =1.2.6	"	....	*167*	Jacobsen & Wierss	B., 16, 1956	**44**, 1121
" "	" =1.2.5	"	....	*174–176*	Jacobsen	B., 17, 2375	**48**, 143
" "	" =1.3. ?	"	....	185–189	....	....	vi., 1100
" "	" =1.3.4	"	....	205–206	Fittig and Ahrens	A., 147, 32	"
" "	" "	"	....	205–206	Ahrens	Z. C., [2], 5, 106	vii., 1175
" "	" "	"	....	205–207	Böttinger & Ramsay	A., 168, 258	**27**, 69
" "	" "	"	....	*209*	Jacobsen	B., 14, 2351	**42**, 185
" "	" "	"	....	208–209 c.	Remsen & Kuhara	A. C. J., 3, 424	**42**, 608
" "	" "	"	....	210·5	Kelbe	B., 15, 41	**42**, 619
" "	" =1.4.3	"	....	203–204	Landolph	B., 5, 268	vii., 420 ; **25**, 473
" "	" "	"	....	203–204	Morse and Ramsen	B., 11, 225	**34**, 571
" "	" "	"	....	203·5–204	Jannasch and Diekmann	A., 171, 83	**27**, 477
" "	" "	"	....	*204*	Brückner	B., 9, 407	**30**, 85
Bromphenoxyacetic acid	$C_6H_4Br.O.CH_2.COOH$	$C_8H_7BrO_3$	....	153–154	Fritzsche	J. p. [2], 20, 295	**38**, 320
Methylic bromsalicylate	COOMe.OH.Br=1.2. ?	"	265–266	36–38	Henry	B., 2, 276 ; Z. C. [2], 5, 479	vi., 1003
Methylbromsalicylic acid	COOH.OMe.Br=1.2. ?	"	....	55	Cahours	A. C. [3], 10, 339	v., 163
Bromanisic acid	" =1.4. ?	"	....	205	Laurent	R. S., 10, 6, 362	i., 301
" "	" =1.4.5	"	....	*211·5–212 c.*	Balbiano	G. I. [1881], 396	**42**, 169
" "	" "	"	....	213–214	Schall and Dralle	B., 17, 2531	**48**, 146
" "	" "	"	....	213–214	Salkowski	B., 7, 1013	**28**, 65
" "	" =1.4.6	"	....	*218–218·5*	Balbiano	G. I. [1881], 396	**42**, 169
Bromethylene pyrogallate	fr. $C_6H_3(OH)\vdots O_2\vdots C_2H_4$	"	....	67	Magatti	B., 12, 1862	**38**, 250
Bromvanillin	COH.OH.OMe.Br=1.4.5. ?	"	....	160–161 u. c.	Tiemann & Haarmann	B., 7, 615	**27**, 896
"	" "	"	....	161	Carles	B. S. [2], 17, 12	vii., 1201
Bromdehydracetic acid	fr. $CH_2Ac.C\vdots CH.C(COOH)\vdots C.OH$ (ring closed from C to C)	$C_8H_7BrO_4$	....	*134*	Oppenheim and Precht	B., 9, 1101	**30**, 506
" "	"	"	....	136–137	Perkin and Bernhardt	B., 17, 1524	**46**, 1121
Bromvanillic acid	COOH.OMe.OH.Br=1.3.4.?	"	$+H_2O$	192–193	Matsmoto	B., 11, 139	**34**, 503
Ethylic bromcomenate	$C_5HBrO_2(OH)(COOEt)$	$C_8H_7BrO_5$	....	140–141	Mennel	J. p. [2], 26, 471	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethoxytribrombenzene	$C_6H_2Br_3.OEt$	$C_8H_7Br_3O$	....	72·5	Möhlau and Oehmichen	J. p., 24, 484	**42**, 396
Ethyltribromphenol	$C_6HBr_3Et.OH.$	„	....	53·5–55	....	A., 156, 256	
Tribromxylenol	$Me_2.OHBr_3$= ?	„	....	141	Wroblewsky	Z. C. [2], 4, 232	vi., 1129
„	„ =1.3.5.2.4.6	„	....	162·5	Thöl	B., 18, 362	**48**, 522
„	„ =1.2.4.3.5.6	„	....	169	Jacobsen	B., 11, 28	**34**, 412
„	„ =1.3.2.4.5.6	„	....	175	„	B., 11, 26	„
„	„ =1.4.2.3.5.6	„	....	175	„	B., 11, 27	„
„	„ =1.3.4.2.5.6	„	....	179	„	B., 11, 25	**34**, 411
Ethoxydibrombenzene	$C_6H_3Br_2.OEt$=1.3.5	$C_8H_8Br_2O$	268	Liquid	Möhlau and Oehmichen	J. p. [2], 24, 483	**42**, 396
Dibromxylenol	$Me_2.OH.Br_2$=1.3.4.(?)$_2$	„	....	73	Jacobsen	B., 11, 25	**34**, 411
„	„ =1.3.(?)$_3$	„	....	80	Armstrong and Gaskell	B., 9, 950	
„	„ = ?	„	....	176	Fittig & Hoogewerf	Z. C. [2], 5, 170	vi., 1129
Dibromdimethylpyrocatechol	$(OMe)_2.Br_2$=1.2.(?)$_2$	$C_8H_8Br_2O_2$	....	83–84	Matsmoto	B., 11, 137	**34**, 502
„	„ „	„	....	92	Merck	N. J. T., 21, 134	v., 997
„	„ „	„	....	92–93	Tiemann & Koppe	B., 14, 2018	**42**, 54
Dibromdimethylresorcinol	„ =1.3.(?)$_2$	„	....	137–138 u. c.	Hönig	B., 11, 1041	**34**, 727
„	„ „	„	....	141	Tiemann & Parrisius	B., 13, 2365	**40**, 270
Dibromdimethylquinol	„ =1.4.5.?	„	....	142	Habermann	B., 11, 1036	**34**, 728
Dibromomethylorcinol	$Me.OMe.OH.Br_2$=1.3.5.6.(?)$_2$	„	....	146	Tiemann & Streng	B., 14, 2002	**42**, 52
Dibrom-β-orcinol	$Me_2.(OH)_2.Br_2$=?	„	....	155	Stenhouse & Groves	A., 203, 296	**37**, 402
Dibromxyloquinol	„	„	....	184	Carstanjen	J. p. [2], 23, 421	**42**, 612
?	$C_8H_6Br_4O$(?)	$C_8H_8Br_4O$	....	138	Hantzsch	A., 215, 51	**44**, 84
Phenylbromethyloxide	$Ph.O.CH_2.CH_2Br$	C_8H_9BrO	*250–260 p. d.*	*39*	Henry	C. R., 96, 1233	**44**, 802
„	$Ph.O.C_2H_4Br$	„	240–250 p. d.	39	Weddige	J. p., 24, 241	**40**, 1137
Bromhydroxystyrolene	$C_6H_5.C_2H_3Br(OH)$	„	265	Liquid	Suida and Plohu	W. A., 81, 245	**40**, 268
Ethoxybrombenzene....	$C_6H_4Br.OEt$=?	„	130 = 230 ?	....	Grimaux	B., 2, 715	
„	„ =1.4	„	233	Liquid	Lippmann	W. A., 62, 605	**24**, 1040
Methoxybromtoluene	$Me.OMe.Br$=1.4.5	„	225–227	Liquid	Schall and Dralle	B., 17, 2531	**48**, 146
Bromxylenol	$Me_2.OH.Br$=1.3.4.?	„	....	Liquid	Jacobsen	B., 11, 25	**34**, 411
„	„ =1.4.5.?	„	....	71	....	B. S., 27, 140	
„	„ „	„	....	74	Adam	B. S., 41, 288	
„	„ „	„	....	87	Jacobsen	B., 11, 27	**34**, 412
Diethylic bromomaleate	$C_2HBr(COOEt)_2$	$C_8H_{11}BrO_4$	256 (o.p.), u. c. 143 (30–40)	....	Anschütz	B., 12, 2284	
Brommalophthalic acid	....	$C_8H_{11}BrO_5$	....	d. 180	....	A., 166, 353	
Tribromdipropylacetolactone	....	$C_8H_{11}Br_3O_2$	cf. A., 216, 76	Liquid—13	Hjelt	B., 15, 628	**42**, 946
?	....	$C_8H_{11}Br_3O_3$	....	42–43	Spatzky	J. R. [1885], 61	**48**, 512
Diethylic dibromsuccinate	$COOEt.(CHBr)_2.COOEt$	$C_8H_{12}Br_2O_4$	140–150 p. d.	*58*	Kekulé	As., 1, 358	v., 459
„ „	„	„	....	58	Anschütz	B., 12, 2281	
„ „	„	„	....	59	Claus	B., 15, 1845	
„ „	„	„	....	68	Lehrfeld	B., 14, 1820	
Dibromsuberic acid	$C_6H_{10}Br_2(COOH)_2$	„	....	172–173	Gantter and Hell	B., 15, 149	**42**, 716
Bromdipropylacetolactone	....	$C_8H_{13}BrO_2$	cf. A., 216, 73	Liquid – 13	Hjelt	B., 15, 628	**42**, 946
Diethylic bromsuccinate	$COOEt.CH_2.CHBr.COOEt$	$C_8H_{13}BrO_4$	225–226 d.	....	....	J. R., 9, 277	
Bromsuberic acid	$C_6H_{11}Br(COOH)_2$	„	cf. A., 155, 251	*102–103*	Gantter and Hell	B., 15, 148	**42**, 716
„ „	„	„	d. 140–150	100–101	Hell and Rempel	B., 18, 814	**48**, 755
?	....	$C_8H_{20}Br_6O_2$	80 d.	a. 22	Schützenberger	B. S. [2], 19, 8	**28**, 487
Xanthogallol	$C_{18}H_4Br_{14}O_6$(?)	$C_9H_2Br_7O_3$(?)	....	122	Stenhouse	C. N., 29, 96	**27**, 586; vii., 1031
Tribromumbelliferone	$C_6Br_3(OH).CH.CH.COO$	$C_9H_3Br_3O_3$	....	194	Posen	B., 14, 2746	**42**, 839
Tribromœsculetin	=(?)$_3$.1.2.?	$C_9H_3Br_3O_4$	....	240 d.	Liebermann and Knietsch	B., 13, 1592	**40**, 108
β-Dibromcoumarin	fr. $C_6H_4.CH:CH.COO$=1.2	$C_9H_4Br_2O_2$	....	176	Perkin	24, 42	vi., 500
α- „	$C_6H_3Br.C_2HBr.COO$=1.2	„	....	174	Ebert	23, 370	
α- „	„ „	„	....	179	„	A., 226, 350	
α „	„ „	„	....	*183*	„	....	**24**, 40; vi., 500

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Fr. Amidonaphthaquinon-imide	....	$C_2H_4Br_2O_2$	....	173	Kronfeld	B., 17, 721	**46**, 1037
Dibromœsculetin	....	$C_9H_4Br_2O_4$	....	233	Liebermann and Knietsch	B., 13, 1594	**40**, 108
α-bromcoumarin	fr. C_6H_4.CH : CH.COO=1.2	$C_9H_5BrO_2$	....	110	Perkin	23, 371 ; 24, 37	**vi.**, 499
β- "	$C_6H_3Br.C_2H_2$.COO=1.2	"	....	160	Ebert	A., 226, 349	
β- "	" "	"	....	*160*	Perkin	24, 42	**vi.**, 500
Bromomethylenephthalyl	$C_6H_4 : (CO)_2$: CHBr.=1.2	"	....	132–133	Gabriel and Michael	B., 11, 1011	**34**, 734
Bromocoumarilic acid	fr. C_6H_4.CH : C(COOH).O =1.2	$C_9H_5BrO_3$	....	*a. 250*	Perkin	24, 48	**vi.**, 498
" "	....	"	....	250–251	Ebert	A., 226, 350	
Bromomethylenephthalyl dibromide	....	$C_9H_5Br_3O_2$	....	117·5–118·5 u. c.	Gabriel and Michael	B., 11, 1007	**34**, 735
Tribromacetophenone carbonic acid	$C_6H_4(CO.CBr_3)$.COOH=1.2	$C_9H_5Br_3O_3$	....	159·5–160	"	B., 10, 1555	**34**, 229
Coumarin dibromide	....	$C_9H_6Br_2O_2$	....	abt. 100 p. d.	Perkin	23, 369	**vi.**, 499
" "	C_6H_4.CHBr.CHBr.COO=1.2	"	....	105	....	A., 216, 163	
Methylene phthalide dibromide	C_6H_4.COO.CBr.CH_2Br=1.2	"	....	98–99	Gabriel	B., 17, 2523	**48**, 164
Bromcinnamic aldehyde	Ph.CBr : CH.COH	C_9H_7BrO	....	72–73	Zincke and Hagen	B., 17, 1815	**46**, 1344
" "	....	"	....	112	Gössing	C. C. [1877], 193	**34**, 318
Bromatropic acid	Ph.C(COOH) : CHBr	$C_9H_7BrO_2$	....	130	Fittig and Würster	A., 195, 162	**36**, 380
β-bromcinnamic acid	Ph.CH : CBr.COOH	"	....	*120*	Glaser	A., 143, 336	**vi.**, 468
β- " "	"	"	....	120	Barische	J. p. [2], 20, 173	**38**, 43
α- " "	Ph.CBr : CH.COOH	"	....	*130–131*	Glaser	A., 143, 333	**vi.**, 468
α- " "	"	"	....	131	Barische	J. p. [2], 20, 182	**38**, 43
α- " "	"	"	....	131	Leuckart	B., 15, 17	
Bromcinnamic acid	C_6H_4Br.(CH : CH.COOH) =1.2	"	....	211–213]	Gabriel	B., 15, 2295	**44**, 195
" "	" =1.3	"	....	178–179	"	B., 15, 2297	"
" "	" =1.4	"	....	251–253	"	B., 15, 2300	**44**, 196
Brommelilotic anhydride	fr. O.$C_6H_4.(CH_2)_2$.CO.O=1.2	"	....	106	Hochstetter	A., 226, 355	**48**, 390
Phenoxybromacrylic acid	CHBr : C(OPh).COOH	$C_9H_7BrO_3$	....	138	Hill and Stevens	A. C. J., 6, 187	**48**, 532
Na-ethylate on bromacrolein	....	"	....	140	Grimaux and Adam	B. S. [2], 36, 136	**40**, 1029
Brom-o-aldehydophenoxy-acetic acid	fr. C_6H_4(COH).O.CH_2.COOH	$C_9H_7BrO_4$	....	163	Rössing	B., 17, 2992	**48**, 388
α-phenyltribrompropionic acid	Ph.CBr_2.CHBr.COOH	$C_9H_7Br_3O_2$	....	132	Glaser	A., 143, 335	
β- " "	Ph.CHBr.CBr_2.COOH	"	....	45–48	"	A., 143, 338	
β- " "	Ph.C_2HBr_3.COOH	"	....	151	Kinnicutt & Palmer	A. C. J., 5, 583	**46**, 603
Tribromhydratropic acid	fr. Ph.CHMe.COOH	"	....	150	Fittig and Würster	A., 195, 163	**36**, 380
Propionoxytribrombenzene....	$C_6H_2Br_3(O.C_3H_5O)$	"	....	65	Guareschi and Daccomo	B., 18, 1174	**48**, 891
Cinnamaldehyde dibromide....	Ph.CHBr.CHBr.COH	$C_9H_8Br_2O$	....	100 d.	Zinckė and Hagen	B., 17, 1814	**46**, 1343
Dibromtolylmethylketone	fr.C_6H_4Me.Ac=1.4	"	....	100	Michaelis	B., 15, 186	**42**, 970
Dibromhydratropic acid	Ph.CBr(CH_2Br).COOH	$C_9H_8Br_2O_2$	....	115–116	Fittig and Würster	A., 195, 159	**36**, 379
Phenyldibrompropionic acid	Ph.CHBr.CHBr.COOH	"	....	195	....	A.	
" "	"	"	....	196	Anschütz and Kinnicutt	B., 12, 538	**36**, 645
Methylicdibromphenylacetate	$C_6H_3Br_2.CH_2$.COOMe	"	220–230(d.p.)	....	Bedson	37, 96	
Ethylic dibrombenzoate	COOEt.Br_2=1.3.4	"	....	38–38·5	Burghard	B., 8, 560	**28**, 892
" "	" "	"	....	38–38·5	Burghard and Beutnagel	A., 222, 166	**46**, 601
Dibrommesitylenic acid	COOH.$Me_2.Br_2$=1.3.5.2.4.or6	"	....	194–195	Sussenguth	A., 215, 249	**44**, 470
Dibromatrolactic acid	$CHBr_2$.CPh(OH).COOH	$C_9H_8Br_2O_3$	....	167	Böttinger	B., 14, 1236	**40**, 815
Phenyldibromlactic acid	Ph.C_2HBr_2(OH).COOH	"	....	184	Kinnicutt and Palmer	A. C. J., 5, 583	**46**, 603
Methylic dibromanisate	COOMe.OMe.Br_2=1.4.(?)$_2$	"	....	91·5–92	Balbiano	G. I., 13, 65	**44**, 1125

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromhydrocoumaric acid....	$(CH_2.CH_2.COOH).OH.Br_2 =1.4.(?)_2$	$C_9H_8Br_2O_3$	....	107	Stöhr	A., 225, 57	**46**, 1350
" "	" " $=1.2.(?)_2$	"	....	115	Zwenger	A., 25, 116	**vi.**, 716
Dibrommethoxytoluic acid	$COOH.OMe.Me.Br_2 =1.2.4.(?)_2$	"	....	193–194	Paternò and Canzoneri	G. I., 10, 233	**38**, 884
Methylacetophenone bromide	....	$C_9H_9BrO(?)$	$C_9H_{10}Br_2O(?)$	55	Böttinger	B., 14, 1598	**40**, 1036
Phenylbromallyl oxide	$Ph.O.CH_2.CBr:CH_2$	"	240 s.d.	Liquid	Henry	C. R., 96, 1233	**44**, 803
α-Bromhydratropic acid	$CH_2Br.CHPh.COOH$	$C_9H_9BrO_2$	....	93	Fittig and Würster	A., 195, 152	**36**, 379
α- " "	"	"	....	*93–94*	Merling	A., 209, 13	**40**, 1143
β- " "	$CH_3.CBrPh.COOH$	"	....	*93–94*	"	A., 209, 10	"
Phenyl α-brompropionic acid	$Ph.CH_2.CHBr.COOH$	"	....	137·5	Anschütz and Kinnicutt	B., 12, 537	**36**, 645
" " "	"	"	....	138	Fittig	B., 9, 1195	**31**, 61
" " "	"	"	....	*137*	Fittig and Binder	A., 195, 132	**36**, 378
" " "	"	"	d. 143	137–138	Fittig	B., 10, 519	**32**, 431
Bromphenylpropionic acid	$Br.(CH_2.CH_2.COOH)=1.3$	"	....	74·5–75	Gabriel	B., 15, 2294	**44**, 195
" "	" $=1.2$	"	....	97–99	"	B., 15, 2296	"
" "	" $=1.4$	"	....	*136*	Glaser	A., 143, 341	
" "	" "	"	....	136	Gabriel	B., 13, 1682	
" "	" "	"	....	135	Goring	C. C. [1877], 793	**34**, 318
Ethylic brombenzoate	$COOEt.Br=1.2$	"	254–255	Liquid	Rahlis	A., 198, 109	**38**, 119
" "	" $=1.3$	"	259	Liquid	Engler	B., 4, 707	**24**, 923
Brombenzylic acetate	$C_6H_4Br.(CH_2OAc)=1.4$	"	250-260 d.	Liquid	Jackson & Lowery	B., 10, 1209	
Bromethylsalicylol	COH.OEt.Br.=1.2. ?	"	....	67–68	Perkin	A., 145, 308	**vi.**, 1009
Bromxylic acid	$COOH.Me_2.Br=1.2.4.5$	"	....	*172–173*	Sussenguth	A., 215, 244	**44**, 469
" "	" "	"	....	174	Gunter	B., 17, 1608	
" "	" =1.2.5. ?	"	....	189	"	B., 17, 1609	**46**, 1347
α-Bromomesitylenic acid	$COOH.Me_2.Br=1.3.5.6$	"	....	146 a.f. 138	Schmidt	A., 193, 172	**36**, 156
β- " "	" $=1.3.5.4$	"	....	212	Sussenguth	A., 215, 246	**44**, 469
β- " "	" "	"	....	*214–215*	Schmidt	A., 193, 174	**36**, 156
Phenylbromlactic acid	$Ph.C_2H_2Br(OH).COOH$	$C_9H_9BrO_3$	....	125	Glaser	A., 147, 83	
" "	"	"	$+H_2O$	120–122	"	"	
α-Bromphenoxypropionic acid	$CH_3.CH(O.C_6H_4Br).COOH$	"	....	105–106	Saarbach	J. p. [2], 21, 157	**38**, 393
Methylic bromanisate	COOMe.OMe.Br=1.4. ?	"	....	gentle ht.	Laurent	A., 56, 314	**i.**, 301
Brommelilotic acid	$OH.(CH_2.CH_2.COOH)=1.2$	"	....	141–142 d.	Hochstetter	A., 226, 355	**48**, 390
Bromveratric acid	$COOH.(OMe)_2.Br=1.3.4.$?	$C_9H_9BrO_4$	....	183–184	Matsmoto	B., 11, 136	**34**, 502
Isopropoxytribrombenzene	$C_6H_2Br_3.OPr^\beta$	$C_9H_9Br_3O$	....	93	Silva	B. S. [2], 13, 27	**vi.**, 917
Methoxytribromxylene	$Me_2.OMe.Br_3=1.3.4.2.5.6$	"	....	120	Jacobsen	B., 11, 26	
Bromacrolein	....	$(C_9H_9Br_3O_3)_n$	....	77–78	Grimaux and Adam	B. S. [2], 36, 136	**40**, 1029
Stycerin dibromhydrin	$Ph.C_3H_4Br_2.OH$	$C_9H_{10}Br_2O$	....	74	Grimaux	C. R., 74, 1598	**26**, 1139
Methylacetophenone bromide	....	"	C_9H_9BrO (?)	55	Böttinger	B., 14, 1598	**40**, 1036
Dibrompseudocumenol	$Me_3.OH.Br_2=1.3.4.5.2.6$	"	....	148–149	Edler	B., 18, 630	**48**, 772
Dibrompseudocuminol	" $=1.3.4.6.2.5$	"	....	149–150	Reuter	B., 11, 30	**34**, 413
Dibrommesitol	" $=1.3.5.2.4.6$	"	....	150	Jacobsen	A., 195, 271	**36**, 529
Dibromdimethylorcinol	$Me.(OMe)_2.Br_2=1.3.5.2.4$ or 6	$C_9H_{10}Br_2O_2$	....	160	Tiemann and Streng	B., 14, 2001	**42**, 51
Dimethyldibrommethylpyrogallol	$Me.(OMe)_2.OH.Br_2=?$	$C_9H_{10}Br_2O_3$	....	126	Hofmann	B., 12, 1375	**38**, 249
Dibromnono-dilactone	$(CH_2Br.C.COO.CH_2)_2$	$C_9H_{10}Br_2O_4$	....	130	Hjelt	B., 14, 627; 15, 625	**40**, 577; **42**, 946
Isopropoxybrombenzene	$C_6H_4Br.OPr^\beta=1.4$	$C_9H_{11}BrO$	236 (760)	Liquid	Silva	Z. C. [1870], 250	**vi.**, 917
Brompseudocuminol	$Me_3.OH.Br=1.3.4.6.2$ or 5	"	250 d.	32	Reuter	B., 11, 29	**34**, 413
Bromomesitol....	" $=1.3.5.2.4$	"	....	80	Jacobsen	A., 195, 270	**36**, 529
"	" "	"	....	81	Biedermann and Ledoux	B., 8, 60	
Brom-mesityleneglycol	$(CH_2.OH)_2.Me.Br=1.3.5.2$ or 4	$C_9H_{11}BrO_2$	....	126	Colson	C. R., 97, 177	**46**, 57
Phorone tetrabromide	$(Me_2CBr.CHBr)_2CO$	$C_9H_{14}Br_4O$	....	*88–89*	Claisen	A., 180, 12	**29**, 896
" "	$Me_2CBr.CHBr.CBrMe.CHBrAc$	"	....	86–88	"	B., 7, 1168	**28**, 161
Diallylcarbinolacetate tetrabromide	$(CH_2Br.CHBr.CH_2)_2CH.OAc$	$C_9H_{14}Br_4O_2$	....	L.f.m.	Saytzeff	A., 185, 137	**32**, 297

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic itabrompyrotartrate	....	$C_9H_{15}BrO_4$	270–275 p.d.	....	....	Z. C. [1866], 722	vi., 981
?	....	$C_9H_{16}Br_2O_2$	....	42	Fittig	B., 17, 3014	**48**, 376
Ethylic α-bromœnanthylate....	$C_5H_{11}.CHBr.COOEt$	$C_9H_{17}BrO_2$	220–225 p.d.	Liquid	Hell and Schüle	B., 18, 625	**48**, 757
Tetrabrom-α-naphthaquinone	....	$C_{10}H_2Br_4O_2$	....	265	Blümlein	B., 17, 2489	**48**, 163
" -β- "	....	"	....	164	Flessa	B., 17, 1482	**46**, 1186
Pentabrom-α-naphthol ...	$C_{10}H_2Br_5.OH$	$C_{10}H_3Br_5O$	....	238–239	Blümlein	B., 17, 2488	**46**, 163
" -β- "	"	"	....	237	Flessa	B., 17, 1481	**46**, 1186
Dibrom-α-naphthaquinone	$Br_2:O_2=\beta_1\beta_2\alpha_1\alpha_2$;	$C_{10}H_4Br_2O_2$	....	149·5 ; a.s 151·5	Diehl and Merz	B., 11, 1065	**34**, 736
" "	" $=\beta_1\beta_1\alpha_1\alpha_2$;	"	....	218	Miller	B. S., 43, 125	**48**, 667
" -?- "	" = ?	"	....	171–173	Guareschi	A., 222, 262	**46**, 842
Dibromfuril	....	$C_{10}H_4Br_2O_4$	....	183–184	Fischer	B., 13, 1339	**38**, 798
"	....	"	....	185	"	A., 211, 225	**42**, 500
Tetrabrom-β-naphthol	$C_7H_3Br_4.OH.$	$C_{10}H_4Br_4O$	....	156	Smith	35, 791	
Bromhydroxy-α-naphthoquinone	$HO.Br:O_2=\beta_1\beta_2\alpha_1\alpha_2$;	$C_{10}H_5BrO_3$	....	*196·5*	Diehl and Merz	B., 11, 1066	**34**, 737
" -α- "	" "	"	....	196–197	Baltzer	B., 14, 1901	
" -α- "	" "	"	....	201–202	Miller	B. S., 43, 125	**48**, 667
Bromfuril	....	$C_{10}H_5BrO_4$	....	Crystalline	Fischer	A., 211, 227	**42**, 500
Phthalylbromacetic acid	$C_6H_4:(CO)_2:CBr.COOH=1.2$	"	...	232–235	Gabriel & Michael	B., 10, 2200	**34**, 426
Pentabromsafrol	....	$C_{10}H_5Br_5O_2$	....	169–170	Grimaux & Ruotte	A., 152, 90	vi., 1014
Dibrom-α-naphthol	$C_{10}H_5Br_2.OH$	$C_{10}H_6Br_2O$	....	111	Biedermann	B., 6, 1119	**27**, 161
" -α- "	"	"	....	111	Meldola	C. N., 47, 536	**44**, 536 ; **45**, 161
Br on diamidonaphthol	....	$C_{10}H_6Br_2O_3$	....	175	Diehl and Merz	B., 11, 1068	**34**, 737
Tetrabromresorcinol diacetate	$(OAc)_2.Br_4=1.3.2.4.5.6$	$C_{10}H_6Br_4O_4$	....	169	Claasen	B., 11, 1441	**34**, 868
Furil octobromide	....	$C_{10}H_6Br_8O_4$	....	185 d.	Fischer	B., 13, 1338 ; A., 211, 214	**38**, 798 ; **40**, 500
Brom-β-naphthol	$C_{10}H_6Br.OH=\alpha_1\beta_1$;	$C_{10}H_7BrO$	....	84	Smith	B., 12, 680	**35**, 790
" "	" "	"	....	84	Armstrong	B., 15, 202	**36**, 722
β-Brompropionic coumarin ...	....	$C_{10}H_7BrO_2$	....	146	Perkin	J. [1875], 591	**28**, 13
Methoxybromphenylpropiolic acid	$C_6H_3Br(OMe)C:C.COOH$ $=?.2.1$	$C_{10}H_7BrO_3$	....	abt. 168 d.	"	39, 419	
Phenoxymucobromic acid	$CHO.CBr:C(OPh).COOH$	$C_{10}H_7BrO_4$	....	104–105	Hill and Stiven	A. C. J., 6, 187	**48**, 532
Bromhydroxy-β-methylcoumarilic acid	$HO.C_6H_2Br.CMe:C(COOH).O$ $=1.?.4.3$	"	....	221 d.	Pechmann & Cohen	B., 17, 2135	**46**, 1332
Phenoxybrommaleïc acid	$C_2Br(OPh)(COOH)_2$	$C_{10}H_7BrO_5$	....	103–104	Hill and Stiven	A. C. J., 6, 187	**48**, 532
Tribromresorcinol diacetate	$(OAc)_2.Br_3=1.3.4.(?)_2$	$C_{10}H_7Br_3O_4$	....	108	Claasen	B., 11, 1439	**34**, 867
Benzoyldibrompropionic acid	$Bz.CHBr.CHBr.COOH$	$C_{10}H_8Br_2O_3$	....	135	Pechmann	B., 15, 888	**42**, 1074
Carboxylphenyldibrompropionic acid	$COOH.(CHBr.CHBr.COOH)$ $=1.2$	$C_{10}H_8Br_2O_4$	....	212–213	Gabriel & Michael	B., 10, 2204	**34**, 427
" " "	" $=1.4$	"	....	d.w.m.a. 300	Löw	B., 18, 949	**48**, 799
Dibromquinol diacetate	$(OAc)_2.Br_2=1.4.5.?$	"	....	159·5 ; 161	Schulz	B., 15, 654, 655	
Dibromphenylene dioxyacetic acid	$C_6H_2Br_2(O.CH_2.COOH)_2$ $=(?)_2.3.1$	$C_{10}H_8Br_2O_6$	....	249–250 d.	Gabriel	B., 12, 1640	**38**, 34
?	....	$C_{10}H_8Br_4O_2$	....	183	Fittig & Barringer	A., 161, 307	**25**, 488
Methoxydibromphenyldibrompropionic acid	$(CHBr.CHBr.COOH).OMe.$ $Br_2=1.2.(?)_2$	$C_{10}H_8Br_4O_3$	....	200–202	Perkin	39, 421	
Methoxyphenylbromacrylic acid	$(C_2HBr.COOH).OMe.Br$ $=1.2.?$	$C_{10}H_9BrO_3$	....	169·5–171	"	39, 423	
" "	" "	"	....	169	"	39, 426	
Methylic bromterephthalate	$(COOMe)_2.Br=1.4.5$	$C_{10}H_9BrO_4$	a. 300	42	Fischli	B., 12, 620	**36**, 639
Bromquinol diacetate	$(OAc)_2.Br=1.4.5$	"	....	71–73	Schulz	B., 15, 655	
Brompiperopropionic acid	$CH_2:O_2:C_6H_2Br(CH_2)_2.COOH$	"	....	139·6	Weinstein	A., 227, 31	**48**, 665
Bromomeconin	....	"	....	167	Anderson	A., 98, 48	iii., 863
Bromacetovanillic acid	$COOH.OMe.OAc.Br=1.3.4$	$C_{10}H_9BrO_5$	....	165–167	Matsmoto	B., 11, 138	**34**, 502
Bromopianic acid	....	"	....	192	....	J. p. [2], 24, 367	
" "	....	"	....	204	Wegscheider	M. C., 4, 268	**44**, 997
" "	....	"	....	250–251	"	"	"
Methoxybromphenyldibrompropionic acid	$(CHBr.CHBr.COOH).OMe.$ $Br=1.2.?$	$C_{10}H_9Br_3O_3$	....	185–188	Perkin	39, 418	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzylidene acetone dibromide	Ph.CHBr.CHBr.CO.Me	$C_{10}H_{10}Br_2O$	....	124–125	Claisen & Claparède	B., 14, 2462	42, 512
Methylic phenyldibrompropionate	Ph.CHBr.CHBr.COOMe	$C_{10}H_{10}Br_2O_2$	....	117	Anschütz and Kinnicutt	B., 11, 1220; 12, 538	34, 981; 36, 645
Phenyldibrombutyric acid	Ph.CHBr.CHBr.CH_2.COOH	"	....	138	Jayne	A., 216, 107	44, 473
Ethylic dibromtoluate	COOEt.Me.Br_2=1.4.3.6	"	310	49	Schultz	B., 18, 1762	48, 1054
Dibrompropylbenzoic acid or dibromtoluene propionic acid	Pr^a.COOH.Br_2=1.4.(?)$_2$ or (CH_2.CH_2.COOH).Me.Br_2 =1.4.(?)$_2$	"	....	152–153	Claus and Wimmel	B., 13, 903	38, 632
Dibrommethylbenzylacetic acid	....	"	....	135	....	A., 193, 316	
Dibromeugenol	(CH : CHMe).OMe.OH.Br_2 =1.4.3.(?)$_2$	"	....	59	Chasanowitz & Hell	B., 18, 824	48, 779
Dibromthymoquinone	Me.Pr^a : O_2.Br_2=1.4.2.3.5.6	"	....	73·5	Carstanjen	J. p. [2], 3, 55	24, 351; vii., 1156
Methoxyphenyldibrompropionic acid	(CHBr.CHBr.COOH).OMe =1.2	$C_{10}H_{10}Br_2O_3$	....	abt. 156 d.	Perkin	A., 216, 160	39, 420
Ethylic dibromanisate	COOEt.OMe.Br_2=1.4.(?)$_2$	"	....	88 c.	Crespi	G. I. [1881], 419	42, 193
Methyldibromatrolactic acid	....	"	....	163	Böttinger	B., 14, 1597	40, 1036
Ethylic dibromorsellinate	COOEt.(OH)$_2$.Me.Br_2 =1.2.(?)$_4$	$C_{10}H_{10}Br_2O_4$	....	144	....	A., 117, 315	iv., 237
Dibromeugenol dibromide	(CHBr.CHBrMe).OMe.OH. Br_2=1.4.3.(?)$_2$	$C_{10}H_{10}Br_4O_2$	....	118–119	Chasanowitz & Hell	B., 18, 824	48, 779
Brompropylphenylketone	Ph.CO.CH_2.CH_2.CH_2Br	$C_{10}H_{11}BrO$	....	37–39	Perkin	47, 843	
Phenylbrombutyric acid	Ph.CHBr.CH_2.CH_2.COOH	$C_{10}H_{11}BrO_2$	....	69	Jayne	A., 216, 102	44, 472
Ethylic bromtoluate....	CH_3.COOEt.Br=1.3.?	"	270–275	s. −5	Fittig and Ahrens	A., 147, 34	vi., 1100
Bromcumic acid	COOH.Pr^a.Br=1.4.5	"	....	146	Naquet and Longuinine	C. R., 62, 1031	vi., 515
" "	" "	"	....	*151–152*	Gerichten	B., 11, 1719	36, 230
Ethylic bromanisate....	COOEt.OMe.Br=1.4.?	$C_{10}H_{11}BrO_3$	....	gentle heat	Laurent	A., 56, 313	i., 302
" "	" =1.4.2 or 3	"	....	53–60·5	Balbiano	G. I. [1881], 396	42, 169
" "	" =1.4.3 or 2	"	....	73·5–74	"	"	"
" "	" "	"	....	73·5–74	Crespi	G. I. [1881], 419	42, 192
" bromphenoxyacetate	C_6H_4Br.O.CH_2.COOEt	"	....	59	....	J. p. [2], 20, 298	
?	....	"	....	83	Magatti	B., 12, 1863	38, 250
Anethol dibromide	(CHBr.CHBr.Me).OMe=1.4	$C_{10}H_{12}Br_2O$	....	abt. 65	Ladenburg	As., 8, 95	vi., 157; vii., 72
Bromcamphoric anhydride	C_8H_{13}Br : $(CO)_2$: O	$C_{10}H_{13}BrO_3$	....	215	Wreden	A., 163, 330	25, 896
Tribromcamphor	....	$C_{10}H_{13}Br_3O$	....	*64*	Swarts	B., 15, 1625	42, 1300
"	....	"	....	63–64	Roycère	B., 15, 1621	
α-Dibromcamphor	....	$C_{10}H_{14}Br_2O$	....	57–61	Swarts	B., 15, 1622	"
α- "	....	"	....	59–61	"	B., 15, 1621	
α- "	....	"	....	57	Montgolfier	B. S., 23, 253	42, 527
α- "	....	"	....	57	Armstrong and Matthews	[1877]	
α- "	....	"	....	57	Schiff	B., 14, 1379	"
α- "	....	"	....	60–61	Zepparovitch	M. C., 3, 231	42, 865
α- "	....	"	....	*61*	Kachler & Spitzer	M. C., 3, 205 B 16, 1311	42, 864; 44, 961
β- "	....	"	285 p.d.	114·5	Swarts	Z. C. [2], 2, 628; B., 15, 1622, 2135	vi., 387 42, 1300
β- "	....	"	....	*114–115*	Kachler & Spitzer	M. C., 3, 205; B., 15, 1343	42, 864
β- "	....	"	....	114–115	Zepparovitch	M. C., 3, 231	42, 865
Bromcamphor	....	$C_{10}H_{15}BrO$	274	76	Perkin	....	vi., 387
"	....	"	274 p.d.	76	Maisch	C. C. [1873], 437	27, 582
"	....	"	....	76	Silva	B., 6, 1093	27, 70
"	....	"	*274*	*76*	Kachler & Spitzer	M. C., 3, 205	42, 864
"	....	"	274	....	Swarts	J. [1862], 463	vi., 387
"	....	"	....	76	Schiff	B., 14, 1377	
"	....	"	....	76	Schröder	B., 13, 1072	
"	....	"	....	76	Montgolfier	B. S., 23, 230	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromcapric acid	$Bu^{\beta}.(CHBr)_2.CHMe.CH_2.COOH$ or $Bu^{\beta}.CHBr.CBrPr^{\beta}.COOH$	$C_{10}H_{18}Br_2O_2$	....	135 u.c.	Hell and Schoop	B., 12, 194	**36**, 521
?	$C_{10}H_{18}O+HBr$	$C_{10}H_{19}BrO$	....	33–35	Hell and Ritter	B., 17, 2610	**48**, 172
Tetrabrom-α-naphthoic acid	$C_{10}H_3Br_4.COOH$	$C_{11}H_4Br_4O_2$	....	239	Hausemann	B., 9, 1523	**31**, 321
" -β- " " "	"	"	...	259–260	"	"	"
Tetrabromacetyldaphnetin	$C_6Br_2(OH)(OAc).CBr:CBr.CO.O$	$C_{11}H_4Br_4O_5$	...	290 d.	Stünkel	B., 12, 113	**36**, 469
Tribrom-β-naphthoic acid	$C_{10}H_4Br_3.COOH$	$C_{11}H_5Br_3O_2$	...	269–270	Hausemann	B., 9, 1522	**31**, 320
Brom -α- " "	$C_{10}H_7Br.COOH$	$C_{11}H_7BrO_2$	....	242	"	B., 9, 1517	**31**, 318, 319
" -β- " "	....	"	....	256	"	B., 9, 1518	**31**, 319
Coumaroxyacetic anhydride dibromide	$C_6H_4.(CHBr)_2.COO.CO.CH_2O=1.2$	$C_{11}H_8Br_2O_4$	....	213	Rössing	B., 17, 3002	**48**, 389
Methyl β-methylbromumbelliferone dibromide	$MeO.C_6H_2Br.CBrMe.CHBr.COO=1.?.4.5$	$C_{11}H_9Br_3O_3$	....	233–235	Pechmann & Cohen	B., 17, 2134	**46**, 1332
Tribromorcinol diacetate	$Me.(OAc)_2.Br_3=1.3.5.2.4.6$	$C_{11}H_9Br_3O_4$	....	143	Claassen	B., 11, 1440	
Bromphenylmethylfurfurane tetrabromide	$fr.Ph.CBr.(CHBr)_2.CBrMe.O$	$C_{11}H_9Br_5O$	blackens 200	208–210	Paal	B., 17, 2760	**48**, 249
Coumaroxyacetic acid dibromide	$COOH.(CHBr)_2.C_6H_4.O.CH_2.COOH=1.2$	$C_{11}H_{10}Br_2O_5$	....	219–220	Rössing	B., 17, 2999	**48**, 389
Dibrommethoxyphenyl dibrombutyric acid	$C_6H_2Br_2(OMe)(CHBr.CBrMe.COOH)=(?)_2.1.2$	$C_{11}H_{10}Br_4O_3$	...	abt. 200	Perkin	39, 434	
Ethylic β-bromcinnamate	$Ph.CBr.CH.COOEt$	$C_{11}H_{11}BrO_2$	290–292	....	Barisch	J. p. [2], 20, 185	**38**, 43
Ethoxyphenylbromacrylic acid	$OEt.(C_2HBr.COOH)=1.2$	$C_{11}H_{11}BrO_3$	....	164	Perkin	39, 428	
Dibromallylacetophenone	$Ph.CO.(CH_2)_2CHBr.CH_2Br$	$C_{11}H_{12}Br_2O$	....	121–122	"	45, 189	
Ethylic phenyldibrompropionate	$Ph.CHBr.CHBr.COOEt$	$C_{11}H_{12}Br_2O_2$	....	*69*	Anschütz and Kinnicutt	B., 11, 1221	**34**, 981
" "	"	"	....	69	"	B., 12, 538	**36**, 645
" "	"	"	....	69	Perkin	45, 172	
Dibromphenylvaleric acid	Normal	"	....	108–109	Baeyer & Jackson	B., 13, 122	**38**, 407
Stycerinacetodibromhydrin....	$Ph.C_3H_4Br_2.OAc$	"	...	85–86	Grimaux	C. R., 76, 1598	**26**, 1139
Methylic β-methoxyphenyl dibrompropionate	$MeO.C_6H_4.C_2H_2Br_2.COOMe=1.2$	$C_{11}H_{12}Br_2O_3$	....	68	Perkin	39, 425, 427	
" α- "	" "	"	....	125	"	39, 425 426	
Ethoxyphenyldibrompropionic acid	$EtO.C_6H_4.C_2H_2Br_2.COOH=1.2$	"	....	155 d.	Ebert	A., 216, 158	**44**, 472
Methylbromeugenol....	$(CH:CHMe)(OMe)_2.Br=1.3.4.?$	$C_{11}H_{13}BrO_2$	185 (44)	Liquid	Wassermann	C. R., 88, 1206	**36**, 790
"	" "	"	190 (20)	....	"	B., 10, 237	
" dibromide	$(CHBr.CHBrMe).(OMe)_2.Br=1.3.4.?$	$C_{11}H_{13}Br_3O_2$	....	77–78	"	C. R., 88, 1206	**36**, 790
Dimethyl propyldibrompyrogallol	$C_6Br_2Pr(OMe)_2(OH)$	$C_{11}H_{14}Br_2O_3$	....	108–109	Hofmann	B., 8, 67; 11, 331	
Bromcamphocarbonic acid ...	$C_{10}H_{14}BrO.COOH$	$C_{11}H_{15}BrO_3$	....	109–110	Silva	B., 6, 1093	**27**, 70
Dibromundecylenic acid ...	$C_{10}H_{19}Br_2.COOH$	$C_{11}H_{20}Br_2O_2$	....	38	Becker	B., 11, 1413	**34**, 853
" " ..	"	"	....	38	Krafft	B., 10, 2035	**34**, 292
Dibromdiphenylene oxide	....	$C_{12}H_6Br_2O$	....	185	....	A., 159, 215	
" ...	....	"	....	185	Kreysler	B., 18, 1721	
Bromrosoquinol	$C_{12}H_4Br_4(OH)_2$	$C_{12}H_6Br_4O_2$	....	264	Baeyer & Schraube	B., 11, 1301	**34**, 869
Tetrabrom-γ-diphenol	$(C_6H_2Br_2.OH)_2=[1.(?)_2.4]_2$	"	....	264 u.c.	Magatti	B., 13, 225	**38**, 643
Dibromphenyl oxide	....	$C_{12}H_8Br_2O$	a. 360	*53–55*	Hoffmeister	A., 159, 210	**vii.**, 941
" "	....	"	....	58	Niederhausern	B., 15, 1124	
" "	....	"	....	58·5	Merz and Weith	B., 14, 191	
Dibrompiperide	....	$C_{12}H_8Br_2O_4$	....	136	Fittig and Mielck	A., 172, 139, 151	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromoxypiperide	$CH_2:(O_2):C_6H_2Br.CHBr.CH:C(OH).CH.COO$ or $CH_2:(O):C_6H_2Br.CHBr.CH(OH).CH:C.COO$	$C_{12}H_8Br_2O_5$	....	181–182·5	Fittig and Mielck	A., 172, 156	**27**, 899
Bromnaphthalic acid	$C_{10}H_5Br(COOH)_2$	$C_{12}H_7BrO_4$	....	210	Blumenthal	B., 7, 1095	
Benzofuril tetrabromide	....	$C_{12}H_8Br_4O_3$	....	127–128 p.d.	Fischer	A., 211, 230	**42**, 500
Bromphenylphenol oxide	$C_6H_4Br.O.C_6H_4.OH$	$C_{12}H_9BrO_2$	....	Liquid	Böhmer	J. p. [2], 24, 473	**42**, 398
Brom-β-acetonaphthol	$C_{10}H_6Br.OAc$	„	215 (20)	Liquid	Canzoneri	G. I., 12, 424	**44**, 68
Bromoxypiperide	$CH_2:O_2:C_6H_3.CHBr.CH:C(OH).CH.COO$ or $CH_2:O_2:C_6H_3.CHBr.CH(OH).CH:C.COO$	$C_{12}H_9BrO_5$	....	131·5–132	Fittig and Mielck	A., 172, 144	**27**, 898
Tetrabrompiperonic acid	....	$C_{12}H_{10}Br_4O_4$	....	160–165 d.	„	A., 172, 137	
Tetrabromoxypiperonic acid	....	$C_{12}H_{10}Br_4O_6$	....	d. 100; 155 d.	„	A., 172, 154	
Ethyl brom-α-naphthol	$C_{10}H_6Br.OEt$	$C_{12}H_{11}BrO$	....	48	Machetti	G. I., 9, 504	**38**, 261
„ „ -β- „	„	„	....	96	Koelle	B., 13, 1954	**40**, 178
Brom-β-hydropiperic acid	....	$C_{12}H_{11}BrO_4$	....	170–171	Buri	A., 216, 177	**44**, 485
Cinnamenylvinylmethylketone dibromide	$Ph.C_4H_4Br_2.CO.Me$	$C_{12}H_{12}Br_2O$	....	173·5 d.	Diehl and Einhorn	B., 18, 2323	**48**, 1221
Diethylic dibromterephthalate	$(COOEt)_2.Br_2=1.4.3.6$	$C_{12}H_{12}Br_2O_4$	335	121	Schultz	B., 18, 1763	**48**, 1054
Dibromhydropiperic acid	....	„	....	135–136	Fittig and Mielck	A., 172, 159	**27**, 900
„ „	....	„	....	137–140	Buri	A., 216, 177	
Dibrommethoxyphenyl dibromvaleric acid	$C_6H_2Br_2(OMe)(CHBr.CEtBr.COOH)=(?)_2.1.2$	$C_{12}H_{12}Br_4O_3$	....	abt. 159 d.	Perkin	39, 437	
Phenylhomoparaconic acid hydrobromide	....	$C_{12}H_{13}BrO_4$	....	149	Fittig	B., 14, 1825	**42**, 190
„ „	....	„	....	149 d.	Penfield	A., 216, 123	**44**, 473
Diethylic bromphthalate	$(COOEt)_2.Br=1.2.3$	„	295 d.	....	....	A., 160, 64	
Propylic phenyldibrompropionate	$Ph.CHBr.CHBr.COOPr^{\alpha}$	$C_{12}H_{14}Br_2O_2$	....	23	Anschütz and Kinnicutt	B., 12, 538	**36**, 645
Brompropylene ethylphenylketate	....	$C_{12}H_{16}BrO_2$	230 p.d.	....	Morley and Green	47, 136	
Bromcumenylpropionic acid	....	„	....	85–87	Perkin	J. [1877], 379	**32**, 661
Ethylbromeugenol	$C_3H_5.OMe.OEt.Br=1.4.3.?$	„	....	48	Wassermann	A., 179, 386	**29**, 707
Ethylbromeugenol dibromide	$C_3H_5Br_2.OMe.OEt.Br=1.4.3.?$	$C_{12}H_{16}Br_3O_2$	....	80	„	A., 179, 385	„
Dipropylbromresorcinol	$(OPr^{\alpha})_2.Br=1.3.?$	$C_{12}H_{17}BrO_2$	....	70–71 u.c.	Kariof	B., 13, 1679	**40**, 270
Heptabromdiphenylene ketone	$C_6HBr_3.C_6Br_4.CO$	$C_{13}HBr_7O$	....	136	Salzmann and Wichelhaus	B., 10, 1402	**34**, 80
Hexabromdiphenylene ketone	$C_6HBr_3.C_6HBr_3.CO(?)$	$C_{13}H_2Br_6O$	black 225	nf. 280	„	„	„
Dibromdiphenylene ketone....	fr. $C_6H_4.C_6H_4.CO=?$	$C_{13}H_6Br_2O$	....	142·5	Holm	B., 16, 1081	**44**, 921
„ „	„ =1.2; 1.2	„	....	197	„	„	„
„ „	„ „	„	....	*198*	Hodgkinson and Matthews	B., 16, 1103	**43**, 165
Dibromdiphenylene ketone oxide	„	$C_{13}H_6Br_2O_2$	....	*210*	Perkin	43, 190	
„ „	„	„	....	211–212	Behr and Dorp	B., 7, 399	**27**, 798
Tetrabromdihydroxybenzophenone	$CO.(C_6H_2Br_2OH)_2$	$C_{13}H_6Br_4O_3$	....	213–214	Baeyer and Burkardt	B., 11, 1299	**34**, 887
„	„	„	....	213–214	Baeyer	A., 202, 131	**38**, 658
Bromdiphenylene ketone	$C_6H_3Br.C_6H_4.CO=?.1.2; 1.2$	$C_{13}H_7BrO$	....	104	Hodgkinson and Matthews	B., 16, 1103	**43**, 165
Benzoyltribromphenol	$OBz.Br_3=1.2.4.6$	$C_{13}H_7Br_3O_2$	....	81·5	Daccomo	B., 18, 1168	**48**, 890
Diacetyltribromœsculetin	$C_9HBr_3O_2(OAc)_2$	$C_{13}H_7Br_3O_6$	....	180–182	Liebermann and Knietsch	B., 13, 1592	**40**, 108
Dibromphenylbenzoic acid	....	$C_{13}H_8Br_2O_2$	....	212	Holm	B., 16, 1082	**44**, 922
α- „ „	$C_6H_4Br.C_6H_3Br.COOH=1.4; 1.(2 or 3).4$	„	....	201·5–203·5	Carnelley and Thomson	47, 589	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-Dibromphenyl benzoic acid	$C_6H_4Br.C_6H_3Br.COOH$ =1.4 ; 1.(3 or 2).4	$C_{13}H_8Br_2O_2$	....	232 ; af. 231	Carnelley and Thomson	47, 589	
Diacetyldibromœsculetin	$C_9H_2Br_2O_2(OAc)_2$	$C_{13}H_8Br_2O_6$	....	177	Liebermann and Knietsen	B., 13, 1595	**40**, 108
Tetrabromdihydroxydiphenylmethane	$CH_2(C_6H_2Br_2OH)_2$ =[1.(?)$_2$.4]$_2$	$C_{13}H_8Br_4O_2$	....	225	Beck	A., 194, 326 ; B., 10, 1839	**34**, 421 ; **36**, 325
Bromdiphenyl ketone	$C_6H_4Br.CO.Ph$	$C_{13}H_9BrO$	....	81·5	Kollaritz and Merz	B., 6, 547	**vii.**, 939 ; **26**, 1036
Phenylic brombenzoate	COOPh.Br.=1.3	$C_{13}H_9BrO_2$	....	65	....	J. [1879], 676	
Dibrombenzhydrol	fr. Ph.CH(OH)Ph	$C_{13}H_{10}Br_2O$	....	163	....	A., 133, 12	**iv.**, 478
Dibrombenzylphenol	fr. $Ph.CH_2.C_6H_4.OH$	,,	....	abt. 175	Paternò and Fileti	G. I., 3, 121, 251	**27**, 373
Benzylbromphenyloxide	$Ph.CH_2.O.C_6H_4Br$	$C_{13}H_{11}BrO$	....	59–59·5	Sintenis	B., 4, 700 ; A., 161, 344	**24**, 909 ; **vii.**, 180
Bromdiethylæsculetin	fr. $C_6H_2(OEt)_2.CH : CH.COO$	$C_{13}H_{13}BrO_4$	....	169	Will	B., 16, 2118	**46**, 69
Bromdiethyldaphnetin	....	,,	....	115	Will and Jung	B., 17, 1085	**46**, 1042
Ethylic phenylacetyldibrompropionate	Ph.CHBr.CBrAc.COOEt	$C_{13}H_{14}Br_2O_3$	....	97	Claisen	B., 14, 347	**40**, 405
Benzylidene mesityl oxide tetrabromide	....	$C_{13}H_{14}Br_4O$	....	118	Claisen and Claparède	B., 14, 2461	
Ethylic ethoxyphenyldibrompropionate	$C_6H_4(OEt)[(CHBr)_2.COOEt]$ =1.2	$C_{13}H_{16}Br_2O_3$	....	78	Perkin	39, 428	
Isoamylic dibromresellinate	....	$C_{13}H_{16}Br_2O_4$	....	73·8	....	A., 139, 40	
Acetyldimethylpropyldibrompyrogallol	$C_6Br_2Pr(OMe)_2(OAc)$	,,	....	101·5–102·5	Hofmann	B., 11, 331	**34**, 417
Hydrobromcumenyl crotonic acid	$C_6H_4.Pr(CH_2.CHBr.CH_2.COOH)$	$C_{13}H_{17}BrO_2$	....	148–150 p.d.	Perkin	J. [1877], 380	**32**, 662
Bromsalicin	....	$C_{13}H_{17}BrO_7$	....	160	Schmidt	Z. C. [2], 1, 320	**vi.**, 1001
Pentabromanthraquinone	....	$C_{14}H_3Br_5O_2$	....	w.m.	Diehl	B., 11, 183	**34**, 430
Tetrabromanthraquinone	....	$C_{14}H_4Br_4O_2$	....	295–300	,,	B., 11, 182	,,
,,	....	,,	....	nf. 370	Hammerschlag	B., 10, 1213	**34**, 76
Tribromanthraquinone	....	$C_{14}H_5Br_3O_2$	....	186	Diehl	B., 11, 181	**34**, 430
,,	....	,,	....	365	Hammerschlag	B., 10, 1213	**34**, 76
Tribromflavopurpurin	....	$C_{14}H_5Br_3O_6$	....	284 d.	Schunck & Roemer	B., 10, 1823	**34**, 322
Pentabromoxytolidene	....	$C_{14}H_5Br_5O_2$	....	206	....	A., 153, 127	
α-Dibromanthraquinone	....	$C_{14}H_6Br_2O_2$	....	145	Perkin	37, 555	
β- ,,	....	,,	....	174–175	,,	37, 555	
?- ,, ...	....	,,	....	236 u.c.	Diehl	B., 11, 181	
?- ,,	....	,,	....	270–272	Auerbach	B., 15, 2918	
Dibromphenanthrene quinone	fr. $CO.C_6H_4.C_6H_4.CO$ =2.1 ; 1.2	,,	....	230	Limpricht	B., 6, 533 ; A., 167, 185	**26**, 898
Dibrom-?-quinone	,, =2.1 ; 1.4	,,	....	166u.c.; 170c	Carnelley & Thomson	47, 592	
Dibromhydroxyanthraquinone	$C_6H_4 : (CO)_2 : C_6HBr_2.OH$ =2.1 ; 1.2.3.5.4	$C_{14}H_6Br_2O_3$	....	207–208	Baeyer	A., 202, 136 ; B., 9, 1231	**31**, 308
Dibromalizarin	....	$C_{14}H_6Br_2O_4$	....	168–170	Diehl	B., 11, 190	**34**, 428
Dibromxanthopurpurin	....	,,	....	227–230	Plath	B., 9, 1205	**31**, 87 ; **33**, 424
,,	....	,,	....	231	Schunck & Roemer	33, 424	
Fr. dibrom-o-p-ditolyl	$C_{14}H_8Br_2O_4$(?)	,,	....	197–198 u.c.; 201–202 c.	Carnelley & Thomson	47, 592	
Tetrabromoxytolidene	....	$C_{14}H_6Br_4O_2$	....	150	....	A., 153, 127	
Bromanthraquinone	$C_6H_4 : (CO)_2 : C_6H_3Br$ =2.1; 1.2.4	$C_{14}H_7BrO_2$	....	187	Græbe and Liebermann	As., 7, 290	**vi.**, 180
,, ...	,, =2.1; 1.2.3	,,	....	188	Pechmann	B., 12, 2127	
Bromalizarin	$C_{14}H_5Br(OH)_2O_2$	$C_{14}H_7BrO_4$	....	a. 280	Diehl	B., 11, 190	**34**, 428
Brompurpurin	....	$C_{14}H_7BrO_6$	....	275	....	D. P., 228, 263	**34**, 737
,, ...	....	,,	....	275	Liebermann & Platte	B., 10, 1620	**34**, 78
,, ...	....	,,	....	276	Schunck & Roemer	B., 10, 554	**31**, 673 ; **32**, 625
Dibromoxytolidene	....	$C_{14}H_8Br_2O_2$	....	121	....	A., 153, 125	
Dibromdiphenylene glycollic acid	....	$C_{14}H_8Br_2O_3$	....	abt. 225	Friedländer	B., 10, 537	**32**, 493
Fr. dibrom-o-p-ditolyl	v. $C_{14}H_6Br_2O_4$	$C_{14}H_8Br_2O_4$	....	....	....	....	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromdiphenic acid	$C_{12}H_6Br_2(COOH)_2$	$C_{14}H_8Br_2O_4$	....	295–296	Ostermayer	B., 7, 1091	
Bromsalicylic anhydride	$[C_6H_3Br(OH).CO]_2O=(?.2.1)_2$	$C_{14}H_8Br_2O_5$	....	164–165	Henry	Z. C. [2], 5, 479	vi., 1003
Dibromresorcinphthalein	$C_6HBr_2(OH)_2.CO.C_6H_4.COOH=(?)_2.1.3.2$; 1.2	„	....	218–220	Baeyer	A., 183, 56	31, 204
Brombenzoylbenzoic acid	COOH.Bz.Br.=1.2.3 or 6	$C_{14}H_9BrO_3$	....	219–221	Pechmann	B., 12, 2126	
Bromdiphenic acid	$C_6H_4(COOH).C_6H_3Br.COOH$ =4.1 ; 1.4.2	$C_{14}H_9BrO_4$	....	208 u.c.; 215 c.	Carnelley & Thomson	47, 591	
Pentabromcurcumin dibromide	....	$C_{14}H_9Br_7O_4$	cf. B., 16, 573	abt. 120 d.	Jackson and Menke	A. C. J., 4, 360	44, 482
Dibromdeoxybenzoin	....	$C_{14}H_{10}Br_2O$	....	87	Zinin	A., 126, 221	vi., 332
„	....	„	....	110–112	Limpricht and Schwanert	A., 155, 70	vii., 174
Tetrabromethylene phenyloxide	....	$C_{14}H_{10}Br_4O_2$	...	b. 100	....	Z. C. [1869], 447	
Bromdeoxybenzoin	....	$C_{14}H_{11}BrO$	....	50	Limpricht and Schwanert	A., 155, 68	vii., 174
Bromdihydroanthrol (?) ...	....	„ (?)	....	92–94	Perger	J. p. [2], 23, 137	40, 608
Brombenzylidene benzoate	Ph.CHBr.OBz	$C_{14}H_{11}BrO_2$	....	69–70	Claisen	B., 14, 2475	42, 514
Benzoxydibromtoluene	$Me.OBz.Br_2=1.4.3.5$	$C_{14}H_{11}Br_2O_2$	....	91–91·5	Schall and Dralle	B., 17, 2532	48, 146
Ethylene diphenol tetrabromide	....	$C_{14}H_{14}Br_4O_2$	....	a. 100	....	....	vi., 917
Curcumin tetrabromide	....	$C_{14}H_{14}Br_4O_4$	cf. B., 16, 573	185 d.	Jackson and Menke	A. C. J., 4, 360	44, 481
Dibromthymoquinol diacetate	$C_6Br_2MePr(OAc)_2$	$C_{14}H_{16}Br_2O_4$	....	121–122	Schulz	B., 15, 658	
Diacetyl dibrompicomar	$C_6Br_2Pr(OAc)_2.OMe$	$C_{14}H_{16}Br_2O_5$	....	78	....	M. C., 4, 185	
Bromthymoquinol diacetate	$C_6HBrMePr(OAc)_2$	$C_{14}H_{17}BrO_4$	....	91	Schulz	B., 15, 658	42, 838
Tetrabrommorin	....	$C_{15}H_6Br_4O_7$	$+2\frac{1}{2}H_2O$	258	Benedikt & Hazura	M. C., 5, 667	48, 554
Brombenzylidene phthalide	$C_6H_4.COO.C:CBrPh=1.2$	$C_{15}H_9BrO_2$	....	160	Gabriel	B., 18, 2444	48, 1230
From ethobromcodeine	....	„	....	121 ; 121–122	Gerichten and Schrotter	B., 15, 1485, 2179	42, 1113 ; 44, 222
Methylbromhydroxyanthraquinone	$C_6H_4:(CO)_2:C_6H.Me.OH.Br$ Br.OH.Me=1.2.3	$C_{15}H_9BrO_3$	....	205	Fraude	A., 202, 165, B., 12, 237	36, 635
Benzylidene phthalide dibromide	$C_6H_4.COO.CBr.CHBrPh$ =1.2	$C_{15}H_{10}Br_2O_2$	....	146	Gabriel	B., 17, 2521	48, 165
Tetrabromphloretin	....	$C_{15}H_{10}Br_4O_5$	....	205–210 d.	Hlasiwetz	A., 119, 104	iv., 492
Bromcresolphthalein	$C_6H_2BrMe(OH).OC.C_6H_4.COOH=?.1.2.?$; 1.2	$C_{15}H_{11}BrO_4$	....	228	Fraude	B., 12, 240	36, 635
Benzylidene phenylketone dibromide	CHBrPh.CHBr.CO.Ph	$C_{15}H_{12}Br_2O$	....	156–157	Claisen & Claparède	B., 14, 2464	42, 512
Dibrom-α-pyrocressol	....	„	....	215	Schwarz	B., 16, 2143	46, 79
Dibromdimethoxybenzophenone	fr. $CO(C_6H_4.OMe)_2=(1.4)_2$	$C_{15}H_{12}Br_2O_3$	....	181	Bösler	B., 14, 329	40, 422
Dibromhydrocotoïn	....	$C_{15}H_{12}Br_2O_4$	....	95	Jobst and Hesse	A., 199, 59	38, 328
Tetracetyldibromgallic acid	$C_6Br_2(OAc)_3.COOAc$ =6.2.5.4.3.1	$C_{15}H_{12}Br_2O_9$	$+2H_2O$	91	....	B., 3, 643	
Bromlapachic acid	$C_{10}H_4(C_5H_9):O_2.OBr$	$C_{16}H_{13}BrO_3$	cf. B., 16, 801	139–140	Paternò	G. I., 12, 337	44, 211
Bromhydrocotoïn	....	$C_{15}H_{13}BrO_4$	....	147	Jobst and Hesse	A., 199, 59	38, 328
Dibromœsculin	....	$C_{15}H_{14}Br_2O_9$	....	193–195 d.	Liebermann and Knietsch	B., 13, 1594	40, 108
Brompicrotoxin	....	$C_{15}H_{15}BrO_6$	....	d.w.m. 240–250	Paternò & Oglioloro	G. I., 7, 193, B., 10, 1100	32, 790
„	....	„	....	245	Schmidt & Lowenhardt	B., 14, 819	40, 741
Dibrom-α-metasantonin ...	....	$C_{15}H_{16}Br_2O_3$	....	184	Cannizaro and Carneluti	G. I., 10, 461	40, 286
„ -β- „	....	„	....	186	„	„	„
Brom-β-metasantonin	....	$C_{15}H_{17}BrO_3$	....	114	„	G. I., 8, 318	36, 330
„ -β- „	....	„	....	114	„	G. I., 10, 461	40, 285
„ -α- „	....	„	....	212	„	„	40, 286
-α- „	....	„	....	212	„	G. I., 8, 318	36, 330

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Santonyl bromide	....	$C_{16}H_{19}BrO_3$	....	145·5	Cannizaro and Valente	G. I., 8, 309	**36**, 331
Dibrom-α-naphthylene phenylene oxide	....	$C_{16}H_8Br_2O$	cf. A., 209, 144	284	Arx	B., 13, 1727	**40**, 282
Diphthalyl dibromide	$C_6H_4.COO.CBr:CBr.C_6H_4.COO=(1.2)_2$	$C_{16}H_8Br_2O_4$	....	begins 220 d.	Græbe & Schmalzigang	B., 15, 1674	**42**, 1298
Dibrom-m-acetoxyanthaquinone	$C_6H_4:(CO)_2:C_6H(OAc)Br_2$	„	cf. A., 202, 137	189–190	Baeyer	B., 9, 1231	**31**, 308
Dibromocampheride	....	$C_{16}H_{10}Br_2O_6$	....	224–225 d.	Jahns	B., 14, 2389	**42**, 209
Diacetyltetrabrom-γ-diphenol	$(C_6H_2Br_2.OAc)_2=(1.?.?.4)_2$	$C_{16}H_{10}Br_4O_4$	....	245	Magatti	B., 13, 225	**38**, 643
Tetrabromlecanoric acid	....	$C_{16}H_{10}Br_4O_7$	....	abt. 157	Hesse	A., 139, 28	vi., 778
Ethylic dibromdiphenylene glycollate	fr. $C_6H_4.C_6H_4.C(OH).COOEt$	$C_{18}H_{12}Br_2O_3$	....	150–151	Friedländer	B., 10, 537	**32**, 493
Dibromhæmatoxylin	....	$C_{16}H_{12}Br_2O_6$	....	d. a. 120	Dralle	B., 17, 373	**46**, 1043
Dibromlecanoric acid	....	$C_{16}H_{12}Br_2O_7$	....	175 ; 179 c.	Hesse	A., 139, 28	vi., 778
Diacetyldibromrhamnetin	$C_{12}H_6Br_2O_3(OAc)_2$	„	....	211–212	Liebermann and Hörmann	B., 11, 1621 ; A., 196, 322	**36**, 272
?	$C_{14}H_{10}Br.Ac$	$C_{16}H_{13}BrO$	....	107	Limpricht and Schwanert	....	vii., 1163
Bromdioxyretistene	....	$C_{16}H_{13}BrO_2$		210–212	....	Z. C. [1869], 74	
Fr. tolane dibromide	$C_{14}H_{10}Br.OAc$	„	....	107	Limpricht and Schwanert	B., 4, 380	
Dibromethyl deoxybenzoin....	fr. $Ph.CH_2.CO.C_6H_4Et=1.4$	$C_{16}H_{14}Br_2O$	....	113	Söllscher	B., 15, 1681	**42**, 1292
Methylic diphenyl dibrompropionate	$Ph.CHBr.CBrPh.COOMe$	$C_{16}H_{14}Br_2O_2$	....	105–108	Cabella	G. I., 14, 14	**46**, 1348
Tetrabromhydrocœrulignone	$C_{12}Br_4(OMe)_4(OH)_2$	$C_{16}H_{14}Br_4O_6$	....	217–218	Hayduck	B., 9, 930	**30**, 517
Dibromhydrocœrulignone	$C_{12}H_2Br_2(OMe)_4(OH)_2$	$C_{16}H_{16}Br_2O_6$	....	262	„	„	„
Brompalmitolic acid	$C_{15}H_{26}Br.COOH$	$C_{16}H_{27}BrO_2$	....	31	Schrœder	A., 143, 31	vi., 896
Bromhypogœic acid	$C_{15}H_{28}Br.COOH$	$C_{16}H_{29}BrO_2$	....	19–23	„	A., 143, 26	vi., 727
Tribrompalmitic acid	$C_{15}H_{28}Br_3.COOH$	$C_{16}H_{29}Br_3O_2$	....	39	„	A., 143, 27	„
Dibrompalmitic acid....	$C_{16}H_{29}Br_2.COOH$	$C_{16}H_{30}Br_2O_2$	....	29	„	A., 143, 24	vi., 726
Ethyl tetrabrommorin	$C_{15}H_5Br_4EtO_7+3H_2O$	$C_{17}H_{10}Br_4O_7$	....	135	Benedikt & Hazura	M. C., 5, 667	**46**, 554
From bromcinnamic acid	....	$C_{17}H_{12}Br_2O_2$	....	a. 340	Leuckart	B., 15, 19	**42**, 615
Tetrabromevernic acid	....	$C_{17}H_{12}Br_4O_7$	....	161	Stenhouse	P. R. S., 17, 222	vii., 496
Bromdehydracetonebenzil	....	$C_{17}H_{13}BrO_2$	....	172	Japp and Miller	47, 29	
Pentabromdurylbenzoyl	....	$C_{17}H_{13}Br_5O$	....	224–225	....	J. [1879], 372	
Dibenzylidene-acetone tetrabromide	$CO(CHBr.CHBrPh)_2$	$C_{17}H_{14}Br_4O$	....	206–208	Claisen and Claparède	B., 14, 2461	**42**, 511
Benzylidenephthalidebromide ethoxide	$Ph.C_2HBr(OEt).C_6H_4.COO =1.2$	$C_{17}H_{15}BrO_3$	....	149	Gabriel	B., 17, 2527	**48**, 165
Acetylbromhydrocotoïn	....	$C_{17}H_{15}BrO_5$	....	166	Jobst and Hesse	A., 199, 61	**38**, 328
Brom α-ditolylpropionic acid	fr. $(Me.C_6H_4)_2.CHMe.COOH =(1.4)_2$	$C_{17}C_{17}BrO_2$	....	143–144	Haiss	B., 15, 1478	**42**, 1071
Ethylic phenyldibrompropionyldiethylacetate	$CHBrPh.CHBr.CO.CEt_2.COOEt$	$C_{17}H_{22}Br_2O_3$	....	55	Claisen and Matthews	A., 218, 170	**46**, 444
„ „ „	„ „	„	....	54–55	Matthews	43, 206	
Erythropyrocatechol ...	....	$C_{18}H_2Br_{10}O$	....	139 d.	Stenhouse	A., 177, 197	**28**, 6 ; vii., 1029
Xanthogallol	....	$C_{18}H_4Br_{14}O_6$	....	122	„	A., 177, 193	**28**, 6 ; vii., 1031
?	....	$C_{18}H_7Br_{11}O_9$	....	130	„	„	**28**, 4 ; vii., 1031
Dibromchyrsoquinone	....	$C_{18}H_8Br_2O_2$	....	160–165	Adler	B., 12, 1892	**38**, 263
Dibromethylenebenzoyl carbonic anhydride	$C_8H_4:(CO)_2:CH.CBr_2.OC.C_6H_4.COOH=(1.2)_2$	$C_{18}H_{10}Br_2O_5$	....	285–287	Gabriel & Michael	B., 10, 1561	**34**, 230
Dibromethylene dibenzoyl carbonic acid	fr. $(.CH_2.CO.C_6H_4.COOH)_2 =(1.2)_2$	$C_{18}H_{12}Br_2O_6$	....	270–272	„	B., 10, 2209	**34**, 428
Tribrompyroguajacol	....	$C_{18}H_{15}Br_3O_3$	....	172	Wieser	M. C., 1, 601	**40**, 813
Phenyldibrompropylic cinnamate	$Ph.CH:CH.COO.CH.(CHBr)_2.Ph$	$C_{18}H_{16}Br_2O_2$	....	151	Miller	B., 9, 275	**29**, 939
Dibromhexmethoxydiphenyl	fr. $(MeO)_3C_6H_2.C_6H_2(OMe)_3$	$C_{18}H_{20}Br_2O_6$	....	138–140	Ewald	B., 11, 1623	**36**, 253
Dibromoleic acid	cf. A., 140, 56	$C_{18}H_{32}Br_2O_2$	200	....	Lefort	J. Ph. (3), 24, 113	iv., 194

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tetrabromstearic acid ...	$C_{17}H_{31}Br_4.COOH$	$C_{18}H_{32}Br_4O_2$	cf. A., 140, 56	abt. 70	Marasse	Z. C. (2), 5, 571	vi., 1038
Bromoleic acid	$C_{17}H_{32}Br.COOH$	$C_{18}H_{33}BrO_2$	cf. A., 140, 47	35–36	Overbeck	J. p., 97, 159	vi., 881
Dibromoelaïdic acid	$C_{17}H_{33}Br_2.COOH$	$C_{18}H_{34}Br_2O_2$	cf. A., 140, 61	27	Burg	B. S. (2), 3, 191	vi., 550
Bromstearic acid	$C_{17}H_{34}Br.COOH$	$C_{18}H_{35}BrO_2$	....	41	Oudemanns	J. p., 89, 1957	v., 419
From isoamyloxanthranol	....	$C_{19}H_{18}Br_2O$	....	120 d.	....	A., 212, 95	
Dibromdiacetylpicrotoxide or Diacetylpicrotoxide dibromide	....	$C_{19}H_{18}Br_2O_8$ or $C_{19}H_{20}Br_2O_6$	....	180	Paternò & Oglialoro	G. I., 9, 57	36, 729
Ethyl brompodocarpic acid ...	....	$C_{19}H_{25}BrO_3$	....	158	....	A., 170, 237	
Pentabromquinol phthaleïn	fr.$C_6H_4:[CO.C_6H_3(OH)]_2:O$ $=1.2;(?.1.4)_2$	$C_{20}H_7Br_5O_5$	....	a. 300	Ekstrand	B., 11, 716	34, 676
Pentabromresorcinol oxaleïn	$O.C_6H_2Br(OH).CO.C:(C_6H$ $Br_2.OH)_2:O=1.?.3.?;$ $[(?)_3.1.3]_2$	$C_{20}H_7Br_5O_6$	....	d.w m. 230	Claus	B., 14, 2567	42, 399
Dibrom-β-dinaphthalene oxide	....	$C_{20}H_{10}Br_2O$	cf. A., 209, 140	247	Knecht & Unzeitig	B., 13, 1726	40, 281
" -α- " "	....	"	cf. A., 209, 137	287	"	B., 13, 1725	"
Dibromphenolphthaleïn anhydride	....	$C_{20}H_{10}Br_2O_3$	....	255–258	Baeyer	A., 212, 347	42, 1096
Dibromfluoresceïn	....	$C_{20}H_{10}Br_2O_5$	....	260–270	"	A., 183, 38	31, 200
Tetrabromphenol phthaleïn....	$C_6H_4(CO.C_6H_2Br_2.OH)_2=1.2;$	$C_{20}H_{10}Br_4O_4$	....	220–230	"	B., 9, 1231	31, 308
" "	" "	"	....	220–230	"	A., 202, 77	38, 654
Tetrabromphenolphthalideïn	cf. B, 9, 1238	"	....	a. 280	"	B., 9, 1237	31, 309
Dibromhydroxydiphenyl phthalide	$C_6H_2Br_2(OH).CPh.C_6H_4.COO$	$C_{20}H_{12}Br_2O_3$	....	196	Pechmann	B., 13, 1615	40, 96
Dibromphenylresorcinphthaleïn	fr. $C_6H_3(OH)_2.CPh.C_6H_4.COO$ $=1.3.?;\ 1.2$	$C_{20}H_{12}Br_2O_4$	....	219	"	B., 14, 1861	42, 184
Tetrabromphenolphthalin	$C_6H_2Br_2(OH).CH(OH).C_6H_4.$ $CO.C_6H_2Br_2.OH$	$C_{20}H_{12}Br_4O_4$	....	140	Baeyer	B., 9, 1233	31, 308
" "	....	"	....	205	"	A., 202, 85	38, 655
Tetrabrompurpurogallin	....	$C_{20}H_{12}Br_4O_9$	....	202–204	Clermont & Chautard	C. R., 94, 1362	42, 1066
Hexabromdiresorcinoltetraacetate	$C_6Br_3(OAc)_2.C_6Br_3(OAc)_2$	$C_{20}H_{12}Br_6O_8$	....	259	....	M. C., 1, 356	
Tetrabrom-β-diresorcinol-tetracetate	$C_6HBr_2(OAc)_2.C_6HBr_2(OAc)_2$	$C_{20}H_{14}Br_4O_8$	....	195	....	M. C., 1, 353	
Tribromerythrol	....	$C_{20}H_{19}Br_3O_{10}$	$+1\frac{1}{2}H_2O$	139	....	A., 117, 310	
Dibromdiacetylhydrocœrulignone	$C_{12}H_2Br_2.(OMe)_4(OAc)_2$	$C_{20}H_{20}Br_2O_8$	....	178	Hayduck	B., 9, 930	30, 516
α-Dibenzoyldithymol ...	....	$C_{20}H_{24}Br_2O_2$	....	215	Dianin	J. R. [1882], 130	42, 624
Hexabromresocyanin	....	$C_{21}H_{12}Br_6O_6$	....	250 d.	....	J. p., 24, 127; 25, 83	
Bromphthalacene oxide	....	$C_{21}H_{13}BrO$	....	200	Gabriel	B., 17, 1398	46, 1190
Brombenzylcurcumin	$C_{14}H_{13}(CH_2.C_6H_4Br)O_4=1.4$	$C_{21}H_{19}BrO_4$	cf. B., 15, 1761	78 ; sf. 76	Jackson and Menke	A. C. J., 4, 77	42, 1108
Alcoholate of ethylbrompodocarpinic acid	....	$C_{21}H_{31}BrO_4$	....	a. 80	....	A., 170, 213	
Acetyl tetrabromfluoresceïn	....	$C_{22}H_{10}Br_4O_6$	....	278	Baeyer	A., 138, 1	31, 203
? bromhydrin dibromide	$C_{22}H_{12}Br(OH).Br_2$	$C_{22}H_{13}Br_3O$	....	d.w.m. 280	Rousseau	A. C. (5), 28, 145	46, 180
Dibromacetoxydiphenyl-phthalide	$C_6H_2Br_2(OAc).CPh.C_6H_4.COO$	$C_{22}H_{14}Br_2O_4$	....	170–172	Pechmann	B., 13, 1616	
Tribromcotoïn	....	$C_{22}H_{15}Br_3O_6$	....	114	Jobst and Hesse	A., 199, 26,	38, 326
Dibromorthocresolphthaleïn	fr. $C_6H_4(CO.C_6H_3Me.OH)_2$ $=1.2;(?.1.2)_2$	$C_{22}H_{16}Br_2O_4$	cf. A., 202, 158	255	Fraude	B., 12, 239	36, 635
Dehydroacetophenonebenzil tetrabromide	....	$C_{22}H_{16}Br_4O_2$	....	110–115	Japp and Miller	47, 36	
Dibrom-o-cresolphthalin ...	....	$C_{22}H_{18}Br_2O_4$	....	236	....	A., 202, 170	
Dibromerucic acid	....	$C_{22}H_{40}Br_2O_2$	....	46–47	Hausknecht	A., 143, 44	vi., 257
Tetrabrombehenic acid ..	....	$C_{22}H_{40}Br_4O_2$	....	77–78	"	A., 143, 45	"
Bromerucic acid	....	$C_{22}H_{41}BrO_2$	....	33–34	"	A., 143, 50	vi., 581
Tribrombehenic acid.... ...	....	$C_{22}H_{41}Br_3O_2$	....	31–32	"	"	"
Brassidic acid dibromide ..	....	$C_{22}H_{42}Br_2O_2$	....	54	"	A., 143, 57	vi., 367
Dibrombehenic acid	....	"	....	42–43	Otto	A., 135, 227	vi., 581

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diethyltetrabromaurin	$C_{19}H_8Et_2Br_4O_3$	$C_{23}H_{18}Br_4O_3$	....	110–115	Ackermann	B., 17, 1627	**46**, 1340
Tetrabromphthalfluoresceïn (naphthaleosin)	....	$C_{24}H_{10}Br_4O_5$	....	a. 310	Terrisse	A., 227, 133	**48**, 667
Tetrabromfluoresceïn diacetate	....	$C_{24}H_{12}Br_4O_7$	....	278	....	A., 183, 53	
Tetrabromquercetin	fr. $C_{24}H_{14}O_9 \colon (O.C_6H_{12}O_4)_2 \colon O$	$C_{24}H_{12}Br_4O_{11}$	....	218	Liebermann and Hamburger	B., 12, 1185	
Diacetyldibromfluoresceïn	....	$C_{24}H_{14}Br_2O_5$	....	208–210	Baeyer	A., 138, 1	**31**, 200
Dibromfluoresceïn diacetate	....	$C_{24}H_{14}Br_2O_7$	....	208–210	...	A., 183, 38	
Diacetyltetrabromphenolphthalidin	$C_6H_2Br_2(OH).C.C_6H_4.C$ $(OH).C_6HBr_2.OAc$	$C_{24}H_{14}Br_4O_5$	....	256	Baeyer	A., 202, 95	**38**, 656
Diacetyltetrabromphenolphthaleïn	....	$C_{24}H_{14}Br_4O_6$	....	134	,,	A., 202, 80	**38**, 654
Diacetyltetrabromphenolphthalideïn	cf. B., 9, 1238	,,	cf. A., 202, 108	182–183	,,	B., 9, 1237	**31**, 310
Diacetyltetrabromphenolphthalin	fr. $C_6H_2Br_2(OH).CH(OH).$ $C_6H_4.CO.C_6H_2Br_2.OH$	$C_{24}H_{16}Br_4O_6$	....	165–166	,,	B., 9, 1234; A., 202, 36	**31**, 309; **38**, 655
Tetrabromtetracetylbrazilin	$C_{16}H_6Br_4O_5Ac_4$	$C_{24}H_{18}Br_4O_9$	....	220–222	Buchka and Erck	B., 18, 1141	**48**, 907
Tribromtetracetylbrazilin	$C_{16}H_7Br_3O_5Ac_4$	$C_{24}H_{19}Br_3O_9$	....	145–147	,,	B., 18, 1140	,,
?	$C_6H_4(CH_2.O.CHBr.C_6H_4.$ $COH)_2{=}1.4$; $(1.4)_2$ (?)	$C_{24}H_{20}Br_2O_4$	....	80	Löw	B., 18, 2073	**48**, 1208
Diethylic tetrabromrosolic acid	$C_{20}H_{10}Et_2Br_4O_3$	$C_{24}H_{20}Br_4O_3$	....	110–115	Ackermann	B., 17, 1627	**46**, 1340
Bromtetracetylbrazilin	$C_{16}H_9BrO_5Ac_4$	$C_{24}H_{21}BrO_9$	....	203–204	Buchka	B., 17, 685	**46**, 1044
Diacetylbromcatechin	$C_{21}H_{17}BrO_7(OAc)_2$	$C_{25}H_{23}BrO_{11}$	....	120	Liebermann and Tauchert	B., 13, 696	**40**, 53
Pentacetyldibromœsculin	$C_{15}H_9Br_2O_4(OAe)_5$	$C_{25}H_{24}Br_2O_{14}$	....	203–206	Liebermann and Knietsch	B., 13, 1594	**40**, 108
Fr. benzophenone	....	$C_{26}H_{15}Br_5O_2$	....	125	Linnemann	A., 133, 6	**iv.**, 478
Pentacetylbromhæmatoxylin	$C_{16}H_8BrO_6.Ac_6$	$C_{26}H_{23}BrO_{11}$	....	210	Buchka	B., 17, 684	**46**, 1043
Tribrombaphinitone	....	$C_{26}H_{23}Br_3O_6$	....	180·2 c.; d.	Anderson	....	**30**, 585
Br-deriv. of styrogenin	$C_{26}H_{39}Br_3O$ (?)	$C_{26}H_{37}Br_3O$(?)	....	260	Mylius	B., 15, 945	
Cholesterin dibromide	....	$C_{26}H_{44}Br_2O$	....	113–114	Liebermann	B., 18, 1807	**48**, 1075
Tetrabromdiacetylquercetin	$C_{24}H_{10}Br_4O_{11}Ac_2$	$C_{23}H_{16}Br_4O_{13}$	....	226–228	Liebermann and Hamburger	B., 12, 1185	**36**, 946
Dibromlepidene	....	$C_{28}H_{18}Br_2O$	....	185	....	A., 153, 131	
,, ...	....	,,	....	190	Zinin	J. [1867], 315	**vi.**, 781
Dibromoxylepidine	....	$C_{28}H_{18}Br_2O_2$	....	222	....	J. [1876], 425	
,, ...	....	,,	....	239	....	,,	
Tetracetyldibromgalleïn ...	....	$C_{28}H_{18}Br_2O_{11}$	....	234	Buchka	A., 209, 266	**42**, 61
Dibromdiacetylquercetin ..	$C_{24}H_{12}Br_2Ac_2O_{11}$	$C_{28}H_{18}Br_2O_{13}$	....	218	Liebermann and Hamburger	B., 12, 1184	**36**, 945
α-Tribrompyrocressol ..	....	$C_{28}H_{23}Br_3O_2$	cf. B., 15, 2206	s. 200	Schwarz	M. C., 3, 738	**44**, 207
γ- ,, ..	....	,,	....	s. 183	,,	,,	,,
Bromlaserpetin	....	$C_{30}H_{39}Br_6O_8$	....	90	Kulz	A. P. [3], 21, 161	**46**, 183
Bromechicerin	....	$C_{30}H_{47}BrO_2$	....	116	....	A., 178, 63	
Bromoquassiin	....	$C_{31}H_{42-x}Br_xO_9$	....	75	Christensen	A. P. [3], 20, 481	**42**, 1302
Dibrompalmitone	....	$C_{31}H_{60}Br_2O$	....	55	Herez	A., 186, 257	**32**, 427
,, hydrobromide	....	$C_{31}H_{61}Br_3O$	...	5·5	,,	,,	,,
Tetrabromdibenzoylhydrocotin	....	$C_{32}H_{28}Br_4O_8$	....	84	Jobst and Hesse	A., 199, 56	**38**, 327
Dibromdibenzoylhydrocotin	....	$C_{32}H_{30}Br_2O_8$	....	147	,,	A., 199, 55	,,
Fr. quassin	....	$C_{32}H_{41}Br_3O_9$	....	155 d.	Oliveri and Denaro	G. I., 14, 1	**46**, 1192
Bromechitin	....	$C_{32}H_{61}BrO_2$	....	100	....	A., 178, 68	
Tetrabromleucotin	....	$C_{34}H_{28}Br_4O_{10}$	....	157	Jobst and Hesse	A., 199, 42	**38**, 326
Tetrabromoxyleucotin ..	....	$C_{34}H_{28}Br_4O_{12}$	....	159	,,	A., 199, 51	**38**, 327
Dibromleucotin	...	$C_{34}H_{30}Br_2O_{10}$	....	187	,,	A., 199, 41	**38**, 326
Dibromoxyleucotin	....	$C_{34}H_{30}Br_2O_{12}$	....	190–192	,,	A., 199, 50	**38**, 327

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromstearone	....	$C_{35}H_{68}Br_2O$	....	72	....	J. [1855], 517	v., 425
Br on dioxyretistine	....	$C_{40}H_{31}Br_4O_5$	....	234–235	Ekstrand	A., 185, 102	32, 498
Bromechiteïn	....	$C_{42}H_{67}Br_3O_2$	....	150	....	A., 176, 72	
Dibromabietic acid	....	$C_{44}H_{62}Br_2O_5$	....	134	Emmerling	B., 12, 1443	38, 265

(9.) CHBrS, CHBrSe, and CHBrTe.

Tribromthiophene	....	C_4HBr_3S	259–260 c.	29	Rosenberg	B., 18, 1774	48, 1051
Dibromthiophene	$S.Br_2=1.2.$?	$C_4H_2Br_2S$	203–207	Liquid	Meyer and Städler	B., 18, 1490	48, 972
"	" "	"	205–207 u. c.	Liquid	Langer	B., 17, 1566	46, 1133
"	" "	"	206–206·5 u. c.; *210·5–211 c.*	Liquid	Meyer	B., 16, 1470	44, 1091
Bromthiophene	....	C_4H_3BrS	*149–151 u. c.*	....	"	B., 16, 1472	"
"	....	"	149–151	....	Meyer and Städler	B., 18, 1490	48, 972
Diethylene dithiotetrabromide	$C_2H_4:SBr_2:SBr_2:C_2H_4$	$C_4H_8Br_4S_2$	....	96 d.	Husemann	A., 126, 287	vi., 607
Tribrom-thiotolene	$S.Me.Br_3=$?	$C_5H_3Br_3S$	....	34	Volhard & Erdmann	B., 18, 455	48, 763
" -α- "	" $=1.2.3.4.5$	"	....	74	Meyer and Kreis	B., 17, 787	46, 1131, 1132
" -β- "	" $=1.3.2.4.5$	"	....	86	Egli	B., 18, 545	48, 766
Dibrom-α-thiotolene	$S.Me.Br_2=1.2.(?)_2$	$C_5H_4Br_2S$	*227–229*	Liquid	Meyer and Kreis	B., 17, 787	
" -α- "	" "	"	227–229 u. c.	Liquid	Meyer	B., 16, 2970	46, 586
Brombenzene sulphhydrate	$C_6H_4Br.SH=1.4$	C_6H_5BrS	....	74	Hübner & Alsberg	A., 156, 327	36, 803
" "	" "	"	....	75	"	Z. C. [2], 6, 389	vii., 153
" "	" "	"	230–231	74–75	Baumann & Preusse	Z. P. C., 5, 319	42, 756
Tribrom-β-ethylthiophene	$S.Et.Br_3=1.3.2.4.5$	$C_6H_5Br_3S$	....	108	Bonz	B., 18, 550	48, 766
Dibromthioxylylbromide	$S.Me.Br_2.CH_2Br=1.2.3.4.5$	"	....	142–144	Paal	B., 18, 2253	48, 1206
Dibrom-β-ethylthiophene	$S.Et.Br_2=1.2.(?)_2$	$C_6H_6Br_2S$	....	Liquid	Bonz	B., 18, 550	48, 766
Dibromthioxylene	$S.Me_2.Br_2=1.2.5.3.4$	"	246–247 u. c.	*46*	Messinger	B., 18, 564	48, 767
"	" "	"	....	50; sf. 47	Paal	B., 18, 2253	48, 1206
Bromthioxylene	$S.Me_2.Br=1.2.5.3$	C_6H_7BrS	193–194 u. c.	Liquid	Messinger	B., 18, 1637	48, 1052
Brombenzylsulphhydrate	$C_6H_4Br.(CH_2.SH)=1.4$	C_7H_7BrS	....	24	Jackson and Hartshorn	A. C. J., 5, 264	46, 665
Bromtoluene sulphhydrate	$Me.Br.SH=1.3.$?	"	246 p. d.	L.—20	Hübner & Wallach	Z. C. [2], 5, 500	vi., 290
" "	" "	"	245 p. d.	7	"	"	"
Dithienyldibromethylene	$CBr_2:C(C_4H_3S)_2$	$C_{10}H_6Br_2S_2$	....	Liquid	Peter	B., 17, 1344	46, 1001
Dithienyltribromethane	$CBr_3.CH(C_4H_3S)_2$	$C_{10}H_7Br_3S_2$	....	101–102	"	"	"
Dibromphenyl sulphide	$S(C_6H_4Br)_2$	$C_{12}H_8Br_2S$	....	109–110	Krafft	B., 7, 1164	28, 153
" disulphide	$S_2(C_6H_4Br)_2=(1.4)_2$	$C_{12}H_8Br_2S_2$	....	93	Nötling	B., 8, 1310	28, 264
?	....	$C_{14}H_6Br_2S_2$	....	n. f. 250	Limpricht	B., 6, 534	26, 1032
Brombenzyl sulphide	$(C_6H_4Br.CH_2)_2S=(1.4)_2$	$C_{14}H_{12}Br_2S$	...	59	Jackson and Hartshorn	A. C. J., 5, 264	46, 665
" disulphide	$(C_6H_4Br.CH_2)_2S_2=(1.4)_2$	$C_{14}H_{12}Br_2S_2$	....	87–88	"	"	"
Bromtolyl disulphide	$(C_6H_3MeBr)_2S_2=1.2.3$ or 5)	"	....	56–58	Hübner and Post	A., 169, 42	27, 59
Bromphenylmercaptole of acetone	$CMe_2(S.C_6H_4Br)_2=(1.4)_2$	$C_{15}H_{14}Br_2S_2$	....	89–90	Baumann	B., 18, 888	48, 749
Bromphenylmercaptal of benzaldehyde	$Ph.CH(S.C_6H_4Br)_2=(1.4.)_2$	$C_{19}H_{14}Br_2S_2$	....	79–80	"	B., 18, 885	"
Bromphenylmercaptal of cinnamaldehyde	$Ph.CH:CH.CH(S.C_6H_4Br)_2=(1.4)_2$	$C_{21}H_{16}Br_2S_2$	....	105–107	"	"	"
Tribromthionessal	....	$C_{28}H_{17}Br_3S$	....	265–270	Fleischer	A., 144, 194	vi., 1087
Dimethylselenio-dibromide....	Me_2SeBr_2	$C_2H_6Br_2Se$	cf. A., 179, 5	82 d.	Jackson	B., 8, 110	28, 553
Dimethyl-telluro-dibromide	Me_2TeBr_2	$C_2H_6Br_2Te$	....	89	Wöhler and Dean	A., 93, 233	

(10.) CHBrN.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromacetonitril	$CHBr_2.CN$	C_2HBr_2N	....	142	Van t'Hoff	B., 7, 1571	
Bromacetonitril hydrobromide	$CH_2Br.CN+HBr.$	$C_2H_3Br_2N$	sb. 65	65	Engler	A., 133, 139; 142, 69	**vi.**, 523
Acetonitril dihydrobromide	$CH_3.CN+2HBr.$	$C_2H_5Br_2N$	sb. 49	47–50	"	"	"
Tribromglyoxalin	....	$C_3HBr_3N_2$	....	214 d.	Wyss	B., 10, 1371	
Brompropionitril hydrobromide	$C_3H_4BrN+HBr$	$C_3H_5Br_2N$	....	64	Engler	A., 142, 65	**vi.**, 524
Propionitril dihydrobromide	$Me.CH_2.CN+2HBr$	$C_3H_7Br_2N$	....	50–55	"	"	"
Tribromomethlyglyoxaline	$C_3Br_3N.NMe$	$C_4H_3Br_3N_2$	....	88–89	Wallach	B., 16, 537	**44**, 911
"	"	"	....	88–89	Wyss	B., 10, 1372	
Tribromparoxalmethyline	....	"	....	258	Radiszewski	B., 15, 2707	**44**, 308
α-Dibrompyridine	$N.Cl_2=1.2.?$	$C_5H_3Br_2N$	....	108	Ladenburg	B., 15, 1030	
α- "	" "	"	....	109–110	Hofmann	B., 12, 989	**36**, 734
α- "	" "	"	....	109–110	Gerichten	A., 210, 101	**42**, 315
α "	" "	"	....	110	Schotten	B., 16, 649	
α- "	" "	"	....	110·5	Ladenburg	B., 15, 1142	
α- "	" "	"	*222*	*112*	Hofmann	B., 16, 588	**44**, 813
β- "	" = ?	"	....	*164–165*	Fischer and Reimerschmid	B., 16, 1184	**44**, 923
β- "	" "	"	....	164	Königs and Geigy	B., 17, 593	**46**, 1195
Brompyridine	$N.Cl=1.2$	C_5H_4BrN	*169·5 (760·5)*	Liquid	Ciamician & Dennstedt	B., 15, 1174	**42**, 1214
" (cf. B., 15, 943)	" "	"	169–170	Liquid	Danesi	G. I., 12, 150	**42**, 867
"	" "	"	170	....	Hofmann	B., 12, 990	**36**, 734
"	" "	"	173	Liquid	"	B., 16, 589	
NH_3 on phlorobromine	....	$C_6H_4Br_6N_2$	....	120	Benedikt	C. C. [1878], 101	**34**, 499
?	....	"	....	124	....	A., 189, 167	
Tribromethylglyoxaline	$(C_3Br_3N)NEt$	$C_5H_5Br_3N_2$	....	61–62	Wallach	B., 16, 537	**44**, 911
"	"	"	....	*61*	Wyss	B., 10, 1372	
Tribromdiazobenzenimide	$C_6H_2Br_3.N.N\vdots N=1.3.5.6$	$C_6H_2Br_3N_3$	....	59	Silberstein	J. p., 27, 116	**44**, 661
Pentabromaniline	$C_6Br_5.NH_2$	$C_6H_2Br_5N$	....	Not b. 220	Körner	G. I., 4, 305	**29**, 218
"	"	"	....	*222*	....	J. [1875], 344	
Tribromdiazobenzenimide perbromide	$C_6H_2Br_3.NBr.NBr_2=1.3.5.6$	$C_6H_2Br_6N_2$	....	98·5	Silberstein	J. p., 27, 118	
Diazodibromphenylimide	$C_6H_3B_2.N_2.NH$	$C_6H_3Br_2N_3$	....	62	Griess	P. T. [1864], 700	**iv.**, 484
Tetrabromaniline	$Br_4.NH_2=1.2.3.5.6$	$C_6H_3Br_4N$	....	*115·3*	Körner	G. I., 4, 305	**29**, 212
"	" "	"	....	116–117	Würster & Nölting	B., 7, 1564	**29**, 389
p-Diazobromphenylimide	$C_6H_3Br.N_2.NH$	$C_6H_4BrN_3$	....	20	Griess	P. T. [1864], 700	**iv.**, 483
Trbiromaniline	$Br_3.NH_2=1.3.5.6$	$C_6H_4Br_3N$	....	116·22	Mills	....	**28**, 648
"	" "	"	....	116·319	"	P. R. [1881], 85	
"	" "	"	abt. 300	117	Fritzsche	J. p., 28, 204	**iv.**, 436
"	" "	"	....	117	Hofman	B., 15, 411	**42**, 951
"	" "	"	....	*118*	Körner	G. I., 4, 305	**29**, 212, 227
"	" "	"	....	118·5	Zander	A., 198, 1	**38**, 124
"	" "	"	....	119	Nölting and Kohn	B., 17, 357	
"	" "	"	....	119	Nölting & Schöller	B., 8, 819	**29**, 928
"	" "	"	....	119	Losanitsch	B., 15, 471	**42**, 954
"	" "	"	....	119	Baumann and Tiemann	B., 12, 1192	**36**, 936
"	" "	"	....	119	Limpricht	B., 10, 1541	
"	" "	"	....	119–120	Fittig and Buchner	A., 188, 26	**34**, 50
"	" =1.2.3.5	"	d. a. 130	n. f. 130	Körner	G. I., 4, 305	**29**, 223
Dibromaniline	$NH_2.Br_2=1.2.5$	$C_6H_5Br_2N$	....	*51–52*	....	A., 165, 181	
"	" =1.3.5	"	....	56	Langer	B., 15, 1329	
"	" "	"	....	*56·5*	Körner	G. I., 4, 30	**29**, 218
"	" = ?	"	....	50–60	Hofmann	A., 53, 47	**iv.**, 436
"	" =1.2.6 (?)	"	....	70–71	Limpricht	B., 10, 1541	**34**, 221
"	" =1.2.4	"	....	78·82	Mills	P. M. [4], 49, 21	**28**, 648

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromaniline	$NH_2.Br_2$=1.2.4	$C_6H_5Br_2N$	....	78·833	Mills	P. R. [1881], 205	
"	" "	"	....	79·5	Griess	A., 121, 267	iv., 436
"	" "	"	....	79	Tiemann and Piest	B., 15, 2032	
"	" "	"	....	79	Würster	B., 6, 1491	27, 369
"	" "	"	....	*79·4*	Körner	G. I., 4, 305	29, 212
"	" "	"	....	79·5	Remmers	B., 7, 348	27, 696
"	" =1.3.4	"	....	80	Spiegelberg	A., 197, 257	36, 799
"	" "	"	....	*80·4*	Körner	G. I., 4, 305	29, 218
"	" = ?	"	....	84	Limpricht	B., 10, 1541	34, 221
"	" = ?	"	....	89–90°	Fittig and Büchner	A., 188, 23	34, 50
Dibrommethylpyridine	Me combined with N	"	....	108	Ladenburg	B., 15, 1030	
Tetrabrommethylpyrrol	CBr : CBr.CBr : CBrNEt	$C_6H_5Br_4N$	....	90	Bell	B., 10, 1863	36, 526
"	"	"	....	90	"	B., 11, 1812	
Tribromaniline hydrobromide	$(NH_2.Br_3$=1.3.5)+HBr	"	....	190	Gattermann	B., 16, 635	44, 796
Bromaniline	$NH_2.Br$ = 1.3	C_6H_6BrN	....	Liquid	Griess	[2], 5, 857	vi., 921
"	" "	"	....	Liquid	Petersen	B., 6, 368	26, 1133
"	" "	"	241·5	16	Würster and Grubenmann	B., 7, 418	27, 691
"	" "	"	241·5	16	Würster & Nötling	B., 7, 905	27, 1163
"	" "	"	241·5	16	Würster	A., 173, 145	28, 757
"	" "	"	*251*	*18–18·5*	Fittig and Mager	B., 8, 364	
"	$NH_2.Br$ =1.2	"	....	a. 30	Körner	G. I., 4, 305	29, 232
"	" "	"	....	31	Hübner & Alsberg	Z. C. [2], 6, 639	vii., 143
"	" "	"	....	31	Petersen	B., 6, 368	26, 1133
"	" "	"	*229*	*31–31·5*	Fittig and Mager	B., 7, 1179	vii., 944 ; 28, 147
"	$NH_2.Br$ =1.4	"	....	50	Hofmann	A., 53, 42	iv., 435
"	" "	"	....	57	Griess	P. T. [1864], 713	vi., 921
"	" "	"	....	61	Gabriel	B., 12, 1638	38, 41
....	" "	"	....	61·871	Mills	P. R. [1881], 205	
"	" "	"	....	61–62	Richter	B., 4, 460	24, 687
"	" "	"	....	61–62	Klinger	A., 184, 261 ; B., 8, 311	31, 710 ; 28, 1025
"	" "	"	....	61·8	Mills	P. M. [4], 49, 21	28, 648
"	" "	"	cf. 28, 147	*63*	Fittig and Mager	B., 7, 1175	vii., 904, 944
"	" "	"	....	63	Anschütz & Schultz	B., 9, 1399	
"	" "	"	....	63	Nötling & Schöller	B., 8, 819	29, 928
"	" "	"	....	63	Fittig and Büchner	A., 188, 23	34, 50
....	" "	"	....	63	Calm and Heumann	B., 13, 1182	38, 880
"	" "	"	....	63–64	Baltzer	B., 14, 1902	
"	" "	"	....	63·5	Remmers	B., 7, 347	
"	" "	"	....	63–64	Weith and Landolt	B., 8, 716	28, 1194
"	" "	"	....	64	Petersen	B., 6, 368	26, 1133
"	" "	"	....	64·5	....	....	vii., 143
"	" "	"	....	65	Gabriel	B., 11, 2261	36, 324
"	" "	"	cf. 29, 212	66·4	Körner	G. I., 4, 387	vii., 904
Methyldibrompyridylium bromide	....	$C_6H_6Br_3N$	....	d. 250	....	A., 210, 99	
Bromdiamidobenzene	$NH_2.NH_2.Br$ =1.2.4	$C_6H_7BrN_2$	....	*63*	Remmers	B., 7, 347	27, 696
"	" "	"	....	63	Hübner & Retschy	B., 6, 796, 797	26, 1147
Picoline hydrobromide	$C_6H_7N.HBr.$	C_6H_8BrN	....	187	Ramsay	P. M. [5], 2, 271	36, 263
Bromcyanmethine	....	$C_6H_8BrN_3$	$+3H_2O$	141–142 u.c.	Bayer	B., 4, 178	
Dibromoxalethyline	fr.C_3H_2MeN.NEt	$C_6H_8Br_2N_2$	....	38	Wallach	B., 16, 537	
a-Methylpiperidine hydrobromide	....	$C_6H_{14}BrN$	....	182	Ladenburg & Roth	B., 18, 49	48, 557
Brombenzonitril	$C_6H_4Br.CN$ =1.3	C_7H_4BrN	abt. 225	38	Engler	B., 4, 708	24, 924
Dibromindazole	$C_6H_3Br.CBr.NH.N$	$C_7H_4Br_2N_2$	....	239	Fischer and Tafel	A., 227, 303	48, 541
Bromindazole...	....	$C_7H_5BrN_2$	....	124	Fischer and Tafel	A., 227, 303	48, 541

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tetrabromtoluidine	$Me.NH_2.Br_4$ =1.3.2.4.5.6	$C_7H_5Br_4N$	....	223–224	Neville & Winther	B., 13, 975	**37**, 449
”	” =1.4.2.3.5.6	”	....	226–227	”	B., 14, 418	**39**, 86
Tribromtoluidine	$Me.NH_2.Br_3$ = ?	$C_7H_6Br_3N$	...	72	Schäffer	A., 174, 366	**28**, 370, 463
”	” ”	”	....	82	”	A., 174, 362	**28**, 370
”	” =1.4.2.3.5	”	....	*82·5–83*	Neville & Winther	B., 14, 418	**39**, 86
”	” =1.3.2.5.6	”	....	*93–94*	”	B., 13, 974	**37**, 448 ; **39**, 86
”	” =1.3.$(?)_3$	”	95 ; a.s. 101	....	Limpricht	B., 7, 450	**27**, 901
”	” ”	”	95 ; a.s. 101	....	Lorenz	A., 172, 177	**28**, 81
”	” =1.3.4.5.6	”	....	*96–96·8*	Neville & Winther	B., 13, 974	**37**, 447 ; **39**, 86
”	” =1.3.2.4.6	”	....	97	Wroblewsky	Z. C. [2], 7, 210, 271 ; A., 168, 195	vii., 1177 ; **24**, 1062 ; **27**, 54
”	” ”	”	....	*100–101·6*	Neville & Winther	B., 13, 975	**37**, 440 ; **39**, 86
”	” =1.2.$(?)_3$	”	....	105–106	Gerver	A., 169, 379	**27**, 167
”	” ”	”	....	112	Limpricht	B., 6, 1009	**27**, 73
”	” ”	”	....	112	Gerver	A., 169, 378	**27**, 167
”	” =1.4.2.3.?	”	....	113	....	A., 173, 217	
”	” =1.4.2.3.6	”	....	*118–118·6*	Neville & Winther	B., 14, 418	**39**, 86
Benzonitril dihydrobromide	$C_6H_5.CN+2HBr.$	$C_7H_7Br_2N$	....	70	Engler	A., 149, 307	vi., 525
Dibromtoluidine	$Me.NH_2.Br_2$=1.3.2.6	”	....	*33–35*	Neville & Winther	B., 13, 971	**37**, 440 ; **39**, 86
”	” =1.2.3.5	”	....	43–44	”	....	**37**, 630
”	” ”	”	cf. 39, 86	*45–46*	”	B., 13, 966	**37**, 436, 627
”	” ”	”	....	46–47	”	B., 14, 419	**37**, 630
”	” ”	”	....	50	Wroblewsky	Z. C. [2], 7, 210 ; A., 168, 187	vii., 1177 ; **24**, 564 ; **27**, 54
”	” ”	”	....	50	Möhlau & Oemichen	J. p., 24, 478	**42**, 395
”	” =1.(2 or 4).5.6	”	....	*52–53*	Neville & Winther	....	**37**, 435 ; **39**, 86
”	” =1.3.4.5	”	cf. 39, 86	*58–59*	”	B., 13, 975	**37**, 447
”	” =1.3.2.5	”	cf. 39, 86	*72·5–73·1*	”	B., 13, 974	**37**, 448
”	” =1.4.3.5	”	....	73	Wroblewsky	Z. C. [2], 5, 460	vi., 1104
”	” ”	”	....	73	”	A., 168, 189 ; 173, 216	vii., 1165
”	” ”	”	cf. 39, 86	*73*	Neville & Winther	....	**37**, 436, 632
”	” ”	”	....	76	Wroblewsky	....	**37**, 436
”	” ”	”	....	73	Mazzara	G. I., 10, 370	**38**, 879
”	” ”	”	....	74	Limpricht	B., 7, 719	**27**, 991
”	” =1.3.4.6	”	cf. 39, 86	*74·6–75·5*	Neville & Winther	B., 13, 971	**37**, 440, 443
”	” =1.3.5.6	”	....	83	Wroblewsky	Z. C. [2], 7, 135	**24**, 564
”	” ”	”	....	83	”	Z. C. [2], 6, 239	vii., 1165, 1177
”	” ”	”	....	83–85	Neville & Winther	....	**37**, 434
”	” ”	”	cf. 39, 86	*86·4*	”	B., 13, 964	”
”	” =1.4.2.5	”	....	83	Wroblewsky	A., 168, 186	**27**, 53
”	” ”	”	....	84–85	Neville & Winther	....	**37**, 451
”	” ”	”	cf. 39, 86	*84·6–85*	”	B., 13, 963	**37**, 445
....	” =1.4.2.6	”	cf. 39, 86	*87–88*	”	B., 13, 962	**37**, 446
”	” =1.2.4.5(?)	”	....	92·5	Wroblewsky	A., 168, 184 ; Z. C. [2], 6, 239 ; 7, 271	**24**, 1062 ; **27**, 54 ; vii., 1165 1177
”	” ”	”	....	95	”	”	”
”	” ”	”	cf. 39, 86	*97–98*	Neville & Winther	B., 13, 970	**37**, 451
Brombenzylamine	$C_6H_4Br(CH_2.NH_2)$=1.2	C_7H_8BrN	....	Liquid	Jackson and White	B., 13, 1219	**38**, 879
”	” =1.4	”	....	Liquid	Jackson & Lowery	A. C. J., 3, 247	**42**, 170
Brommethylaniline	$C_6H_4Br.NHMe$=1.4	”	259–260	Liquid	Würster & Scheibe	B., 12, 1817	**38**, 107
Bromtoluidine	$Me.NH_2.Br$=1.2.3	”	....	Liquid 0	Hübner and Roos	B., 6, 801	
”	” ” (?)	”	253–257	Liquid	Hübner & Wallach	Z. C. [2], 5, 22, 530	vi., 1103
”	” ”	”	240	Liquid	Wroblewsky	Z. C. [2], 7, 606	**25**, 698
”	” ”	”	cf. 39, 86	*Liquid*	Neville & Winther	B., 13, 1945	**37**, 630
”	” =1.3.2	”	240	Liquid	Wroblewsky	Z. C. [2], 7, 135, 606	**25**, 698 ; vii., 1177
”	” =1.4.6	”	....	*25–26*	Neville & Winther	B., 14, 418	**39**, 86
”	” =1.4.5	”	cf. 39, 86	Liquid	”	....	**37**, 438, 630
....	” ”	”	220	....	Wroblewsky	Z. C. [2], 5, 276	vi., 1104

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromtoluidine	$Me.NH_2.Br=1.4.5$	C_7H_8BrN	*240*	s. 8	Wroblewsky	A., 168, 154	**27**, 51
"	" "	"	....	*26*	Claus & Steinberg	B., 16, 914	
"	" =1.2.4	"	....	s. —2	Wroblewsby and Kurbatow	Z. C. [2[, 7, 165	vi., 1104 ; vii., 1167, 1176
"	" "	"	....	s. —2	Wroblewsky	A., 168, 177	**27**, 53, 165
"	" "	"	....	30	Heynemann	A., 158, 340 ; Z. C. [2], 6, 402	**24**, 681 ; vii., 1167, 1176
"	" "	"	cf. 39, 86	30–31	Neville & Winther	37, 442	
"	" "	"	....	*32*	Hübner and Roos	B., 6, 799	**27**, 165
"	" =1.3.5	"	*255–260*	Liquid—20	Wroblewsky	B., 8, 573 ; A., 192, 196	**28**, 886 ; **34**, 977
"	" "	"	....	34·5–37	Neville & Winther	37, 433	
"	" "	"	....	35–35·2	"	"	
"	" "	"	....	35–37	"	37, 449	
"	" "	"	cf. 39, 86	*35·6–36*	"	B., 13, 964	**37**, 433
"	" "	"	....	36·6	"	37, 433	
"	" =1.2.5	"	....	54–57	"	37, 630	
"	" "	"	cf. 39, 86	55–56	"	37, 431, 631	
"	" "	"	*240 d.*	*57*	Wroblewsky	Z. C. [2], 7, 135 ; A., 168, 163, 173	**24**, 564 ; **27**, 51 ; vii., 1177
"	" "	"	....	56	Grete	A., 177, 249	**29**, 73
"	" "	"	....	57·5–58	"	B., 8, 567	**28**, 888
"	" =1.3.4	"	cf. 39, 86	30·6–32	Neville & Winther	B., 13, 972	**37**, 442
"	" "	"	....	*67*	Wroblewsky	A., 168, 177	**27**, 53
"	" "	"	....	67	Wroblewsky and Kurbatow	Z. C. [2], 6, 165 ; J. [1875], 627	vi., 1104 ; vii., 1167, 1176
"	" "	"	....	75	Hübner and Roos	B., 6, 800	**27**, 166
"	" =1.3.6	"	240	....	Wroblewsky	A., 168, 173	**27**, 53
"	" "	"	....	76–77	Neville & Winther	37, 440	
"	" "	"	....	76–78·5	"	37, 431	
"	" "	"	....	77–78	"	"	
"	" "	"	....	78–79	"	B., 13, 963, 969	**39**, 86
"	" "	"	....	*78·4–78·8*	"	"	"
Diamidobromtoluene	$Me.Br.(NH_2)_2=1.4.2.3$	$C_7H_9BrN_2$	....	59	Hübner & Schüpphaus	B., 17, 776	**46**, 1143
"	" =1.?.2.4	"	....	104	Ruhemann	B., 14, 2659	**42**, 392
"	" =1.5.2.4	"	....	107	Grete	A., 177, 262 ; B., 8, 567	**28**, 888 ; **29**, 73
Tribromglyoxalisoamyline	....	$C_7H_9Br_3N_2$	....	216–217	Radziszewski and Szul	B., 17, 1293	**46**, 986
Lutidine hydrobromide	C_7H_9N+HBr	$C_7H_{10}BrN$	....	d. 230	Ladenburg & Roth	B., 18, 1592	
Dibromglyoxalisoamyline	....	$C_7H_{10}Br_2N_2$	....	157–158	Radziszewski and Szul	B., 17, 1293	**46**, 986
Glyoxalisoamyline hydrobromide	$C_7H_{12}N_2+HBr$	$C_7H_{13}BrN_2$	....	100	"	B., 17, 1292	**46**, 985
Bromdiazobenzene cyanide....	$C_6H_4Br.N_2.CN+HCN=1.4$	$C_8H_5BrN_4$	...	127·5	Gabriel	B., 12, 1638	**38**, 41
Phenylbromacetic nitril	Ph.CHBr.CN	C_8H_6BrN	d. 150	Liquid	Reimer	B., 14, 1798	
Brom-α-toluic nitril	$C_6H_4Br.(CH_2.CN)=1.2$	"	....	Liquid	Jackson	A. C. J., 2, 316	
" "	" =1.4	"	....	46	Jackson and Lowry	B., 10, 1210	**34**, 64
" "	" "	"	....	*47*	"	A. C. J., 3, 246	
Ethenylbromodiamidobenzene	$C_6H_3Br.NH.CH_2.CH:N$ =?.1.2	$C_8H_7BrN_2$	....	206	Remmers	B., 7, 348	**27**, 696
Bromformanhydroisodiamidotoluene	$C_6H_2MeBr.N:CH.NH$ =1.4.2.3 or 1.4.3.2	"	....	187	Hübner & Schüpphaus	B., 17, 777	**46**, 1143
Phenylbromacetimid bromide	Ph.CHBr.CBr:NH	$C_8H_7Br_2N$	...	200 d.	Reimer	B., 14, 1797	**42**, 169
Dibromnaphthylamine	$NH_2.Br_2=\alpha_1\beta_2$; α	"	....	101–102	Meldola	47, 514	
"	" $=\alpha_2\beta_1$; β	"	....	105	"	47, 511	
Bromdimethylaniline	C_6H $Br.NMe_2=1.3$	$C_8H_{10}BrN$	259 c.	11	Würster & Scheibe	B., 12, 1818	**38**, 108
" ...	=1.4	"	....	55	Weber	B., 8, 715	**28**, 1200
"	"	"	....	55	Claus and Howitz	B., 17, 1326	**46**, 1006

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromdimethylaniline	$C_6H_4Br.NMe_2$=1.4	$C_8H_{10}BrN$	*247 (722)*	*55*	Merz and Weith	B., 10, 763	**32**, 603
”	” ”	”	264 c.	55	Würster and Beran	B., 12, 1820	**38**, 108
Bromxylidine	$Me_2.NH_2.Br$=1.3.4.5	”	....	96–97	Genz	B., 3, 225	vii., 1210
Fr. dimethyl-p-diamidobenzene	....	$C_8H_{11}BrN_2$	....	146	Würster and Sendtners	B., 12, 1803, 2071	**38**, 110
Bromcyanmethethine	....	$C_8H_{12}BrN_3$	....	155 d.	Riess and Meyer	J. p. [2], 31, 112	**48**, 646
Hydro-α-isopropylpyridine +HBr	....	$C_8H_{14}BrN$	....	230–233	Ladenburg	B., 18, 1589	**48**, 992
α-isopropylpiperidine+HBr	....	$C_8H_{18}BrN$	....	216	”	B., 17, 1679	**46**, 1386
Coniine+HBr	$C_8H_{16}BrN$(?)	” (?)	....	207	”	”	”
Copellidine+HBr	....	”	....	165	Dürkopf	B., 18, 923	**48**, 817
Tetrethylammonium tribromide	$NEt_4.Br_3$	$C_8H_{20}Br_3N$	....	78	Marquart	J. p. [2], 1, 429	vii., 485
Hexabromquinoline	....	C_9HBr_6N	....	88–89	Weidel	A., 173, 95	**28**, 88
Tetrabromquinoline	....	$C_9H_3Br_4N$	....	119 u.c.	Clauss and Istel	B., 15, 820	**42**, 1110
Tribromquinoline	....	$C_9H_4Br_3N$	....	*173–175*	Lubavin	Z. C. [2], 5, 690; A., 155, 318	vi., 430; vii., 307
”	....	”	....	173–175	Hoffmann & Königs	B., 16, 737	
Dibromquinoline	$N.Br_2$=1; 1.3	$C_9H_5Br_2N$	....	100–101	Coste	B., 15, 559	**42**, 978
”	” =1; 1.4	”	....	124–126	”	B., 14, 917; 15, 559	**40**, 742; **42**, 978
”	” ”	”	....	*127–128*	Metzger	B., 17, 188	**46**, 757
Bromquinoline	N.Br=?	C_9H_6BrN	270	....	Coste	B., 14, 916	**40**, 741
”	” =1; 3	”	276–278	....	”	B., 15, 558	**42**, 978
Amidobromquinoline	” ”	$C_9H_7BrN_2$	...	164	”	B., 15, 1920	**44**, 91
Propenyltribromphenylene diamine	$C_6HBr_3.NH.CEt:N$=(?)$_3$.1.2	$C_9H_7Br_3N_2$	....	257–262	Smith	A. C. J., 6, 172	**48**, 525
Quinoline tetrabromide	....	$C_9H_7Br_4N$(?)	cf. B. S., 38, 124	88	Grimaux	C. R., 95, 85	
Propenyldibromphenylene diamine	$C_6H_2Br_2.NH.CEt:N$=(?)$_2$.1.2	$C_9H_8Br_2N_2$	....	224–226	Smith	A. C. J., 6, 172	**48**, 524
Quinoline dibromide+HBr	....	$C_9H_8Br_3N$	cf. B. S., 38, 124	86	....	C. R., 95, 85	**42**, 1215
Dibromtetrahydroquinoline	....	$C_9H_9Br_2N$	....	65–66	Claus and Istel	B., 15, 823	**42**, 1110
Bromtetrahydroquinoline +HBr	....	$C_9H_{11}Br_2N$	....	192 d.	Hoffmann and Königs	B., 16, 737	**44**, 1145
Ethylmethylbromaniline .	$C_6H_4Br.NMeEt$=1.4(?)	$C_9H_{12}BrN$	265	s. b. 0	Claus and Howitz	B., 17, 1327	**46**, 1006
Dimethylbromtoluidine	$Me.NMe_2.Br$=1.2.?	”	244	Liquid	Michler & Sampais	B., 14, 2173	**42**, 177
” ...	” =1.3.?	”	276	98	Würster & Riedel	B., 12,1801, 1825	**38**, 109
Tribromcyanethine	....	$C_9H_{12}Br_3N_3$	....	126	Riess	J. p. [2], 30, 145	**48**, 236
Propylphenylamine+HBr	$C_6H_4.Pr.(NH_2.HBr)$=1.4	$C_9H_{14}BrN$	....	213	Francksen	B., 17, 1222	**46**, 1008
Bromcyanethine	....	$C_9H_{14}BrN_3$	....	152–153	Meyer	J. p. [2], 26, 339	**44**, 353
”	....	”	....	153	Riess	J. p. [2], 30, 145	**48**, 235
Methylcopellidine+HBr	$C_8H_{16}MeN$+HBr	$C_9H_{20}BrN$	....	151	Dürkopf	B., 18, 926	**48**, 817
Dibromnaphthylamine	$NH_2.Br_2=\alpha_1\alpha_2\beta_1$;	$C_{10}H_7Br_2N$	....	*118–119*	Meldola	B.,12, 1961	**38**, 260; **43**, 4
”	” $=\beta_1$??	”	....	121	Lawson	B., 18, 2424	**48**, 1239
Bromnaphthylamine	$NH_2.Br=\alpha_2\beta_1$;	$C_{10}H_8BrN$	....	62	Meldola	47, 510	
”	” $=\beta_1\alpha_1$;	”	....	*63*	”	43, 5	**47**, 523
” ...	” ”	”	....	63	Cosiner	B., 14, 59	**40**, 606
”	” $=\alpha_1$; β_1 or β_2	”	....	63–64	Guareschi	A., 222, 262	**46**, 843
”	” $=\beta_1\alpha_2$;	”	....	71·5	Meldola	47, 509	
”	” $=\beta_2\alpha_1$;	”	....	71·5	”	47, 523	
” ...	” =?	”	....	85	Guareschi	A., 222, 262	**46**, 843
” ...	” $=\alpha_1\alpha_2$;	”	....	94	Rother	B., 4, 850	
” ...	” ”	”	....	94	Meldola	43, 5	**47**, 523
Bromacetamidobenzylcyanide	$NHAc.Br.(CH_2.CN)$=1.?.4	$C_{10}H_9BrN_2$	....	127–129	Gabriel	B., 15, 840	**42**, 1070
Bromamidoacenaphthalide	$(NH_2)_2.Br=\alpha_1\alpha_2\beta_1$;	”	....	222	Meldola	47, 501	
Quinoline dibromide methobromide	$C_9NH_7Br_2.MeBr$	$C_{10}H_{10}Br_3N$	....	123	Ostermeyer	C. C. [1884], 970; B., 18, 594	**48**, 672
Pyridine dibromide hydrobromide	$(C_5H_5Br_2N)_2.HBr$	$C_{10}H_{11}Br_5N_2$	....	125–126	Grimaux	C. R., 95, 85	**42**, 1216

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diethylbromaniline	$C_6H_4Br.NEt_2$=1.4(?)	$C_{10}H_{14}BrN$	270	33	Claus and Howitz	B., 17, 1324	**46**, 1006
Brom-α-naphthoic nitril	....	$C_{11}H_6BrN$	....	147	Hausamann	B., 9, 1516	**31**, 318
„ -β- „ „	....	„	....	148–149	„	B., 9, 1517	„
Quinoline ethobromide	$C_9H_7N.EtBr+H_2O$	$C_{11}H_{12}BrN$	....	80	Claus and Tosse	B., 16, 1277	**44**, 1009
Decabromdiphenylamine ...	$NH(C_6Br_5)_2$ (?)	$C_{12}HBr_{10}N$	...	a. 310	Gessner	B., 9, 1512	**31**, 301
Octobromdiphenylamine	....	$C_{12}H_3Br_8N$	....	302–305	„	„	**31**, 302
Hexabromdiphenylamine ...	....	$C_{12}H_5Br_6N$	....	218	Gnehm	B., 8, 926	**29**, 83
Hexabromdiazoamidobenzene	$C_6H_2Br_3.N_2.NH.C_6H_2Br_3$ =1.3.5.6 ; 6.5.3.1	$C_{12}H_5Br_6N_3$	....	158 d.	Silberstein	J. p. [2], 27, 120	**44**, 661
Tetrabromazobenzene ...	....	$C_{12}H_6Br_4N_2$	....	320	Werigo	A., 165, 200	**26**, 385; vii., 148
Azimido-dibromdiphenyl	....	$C_{12}H_7Br_2N_3$	....	206	Schultz	B., 17. 466	**46**, 903
Tetrabromdiphenylamine	$NH(C_6H_3Br_2)_2$	$C_{12}H_7Br_4N$	cf. A., 132, 166	182	Gnehm	B., 8, 925	**29**, 83
Diazoamidodibrombenzene	....	$C_{12}H_7Br_4N_3$	....	167·5	Griess	A., 121, 273	iv., 460
Bromcarbazole	....	$C_{12}H_8BrN$	....	199	Ciamician & Silber	G. I., 12, 272	**42**, 1104
Dibromazobenzene	$C_6H_4Br.N_2.C_6H_4Br=(1.3)_2$	$C_{12}H_8Br_2N_2$	....	125·5	Gabriel	B., 9, 1407	**31**, 307
„	„ $=(1.4)_2$	„	....	205	Schultz	B., 17, 465	iv., 412; vi., 270
„	„ „	„	cf. A., 135, 179	*205*	Werigo	A., 165, 199	**26**, 384; vii, 148
„	„ „	„	....	205	Calm & Heumann	B., 13, 1182	**38**, 880
Phenanthroline dibromide	....	„	....	149	Skraup & Vortmann	M. C., 3, 582	**44**, 87
Tribromdiazoamidobenzene	$C_6H_2Br_3.N_2.NHPh$=1.3.5.6	$C_{12}H_8Br_3N_3$	....	104	Silberstein	J. p. [2], 27, 121	**44**, 661
Tetrabrombenzidine.... ..	....	$C_{12}H_8Br_4N_2$	....	284–286	Claus and Risler	B., 14, 86	**40**, 605
Phenanthroline octobromide	$CHBr.(CHBr)_2.N : C.C :$ $C.N : CHBr.(CHBr)_2.C :$ $CHBr.CHBr$	$C_{12}H_8Br_8N_2$	....	176–178	Skraup & Vortmann	M. C., 3, 570	**44**, 87
Ethenylbrom-α-β-naphthalene diamine	$C_{10}H_5Br.NH.CMe : N$	$C_{12}H_9BrN_2$	....	202	Meldola	47, 505	
Bromethenyl naphthalene diamine	$C.NH.CMe : N.C.CH :$ $CBr.C_6H_4$	„	....	229	Prager	B., 18, 2160	**48**, 1239
Phenanthroline hydrobromide	....	„	....	278–280	Skraup & Vortmann	M. C., 370	**44**, 87
Dibromdiphenylamine	$NH(C_6H_4Br)_2$	$C_{12}H_9Br_2N$	....	107	Lellmann	B., 15, 830	**42**, 1060
Dibromamidoazobenzene	....	$C_{12}H_9Br_2N_3$	....	145	Griess	A., 121, 269	iv., 460
„	....	„	cf. B., 17, 1403	152	Berju	C. C. [1884], 871	**46**, 1148; **48**, 660
Dibromhydrazobenzene ...	$C_6H_4Br.(NH)_2.C_6H_4Br$ $=(1.3)_2$	$C_{12}H_{10}Br_2N_2$	....	107–109	Gabriel	B., 9, 1406	**31**, 307
„	„ $=(1.4)_2$	„	...	*130*	Werigo	A., 165, 192	**26**, 384; vii., 148
„	„ „	„	...	130	Calm & Heumann	B., 13, 1182	**38**, 880
Dibromdiamidodiphenyl	....	„	...	89	Fittig	A., 132, 207	iv., 411
„	$(.C_6H_3Br.NH_2)_2=(?.1.4)_2$	„	....	108 c.	Schultz	B., 17, 466	**46**, 903
„ ...	„ $=(?.1.3)_2$	„	....	151·5–152	Gabriel	B., 9, 1407	**31**, 307
Benzenylbromphenylene amidine	$C_6H_3Br.N : CPh.N$	$C_{13}H_9BrN_2$	....	200	Johnson	B., 10, 1710	
Tetrabrommethyldiphenylamine	$NMe(C_6H_3Br_2)_2$	$C_{13}H_9Br_4N$	....	129	Gnehm	B., 8, 926	**29**, 83
Tribrommethyldiphenylamine	$C_6H_3Br_2.NMe.C_6H_4Br$	$C_{13}H_{10}Br_3N$	....	98	„	„	„
Oxaldipropylisoamyline bromide	$C_7H_{11}Pr^{\alpha}N_2.Pr^{\alpha}Br$	$C_{13}H_{25}BrN_2$	....	162–163	Radziszewski and Szul	B., 17, 1295	**46**, 986
Phenyldibromanilidoacetic nitril	$C_6H_3Br_2(NH.CHPh.CN)$ =1.3.4	$C_{14}H_{10}Br_2N_2$	....	92	Tiemann and Piest	B., 15, 2032	**44**, 198
Benzylidene dibromtoluidine	....	$C_{14}H_{11}Br_2N$	....	160–165 d.	....	J. [1880], 566	
Tetrabrom-p-ditolylamine	$(Me.C_6H_2Br_2)_2NH$	$C_{14}H_{11}Br_4N$	....	162	Lehne	B., 13, 1545	**40**, 41
Dimethamidoazotribrombenzene	$C_6H_2Br_3.N_2.C_6H_4.NMe_2$ =1.3.5.6 ; 1.?	$C_{14}H_{12}Br_3N_3$	....	161	Silberstein	J. p. [2], 27, 124	**44**, 662
Bromazotoluene	$Me.C_6H_4.N_2.C_6H_3Br.Me$	$C_{14}H_{13}BrN_2$	....	136	Petrieff	B., 6, 557	**26**, 1027
Dibromdibenzylamine	$(C_6H_4Br.CH_2)_2NH=(1.2)_2$	$C_{14}H_{13}Br_2N$	....	36	Jackson and White	B., 13, 1219	**38**, 879
„	„ $=(1.4)_2$	„	cf. A., 151, 170	50	Jackson & Lowery	A. C. J., 3, 247	**42**, 171

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibenzylamine hydrobromide	$(C_6H_5.CH_2)_2NH+HBr$	$C_{14}H_{16}BrN$	....	266	Limpricht	A., 144, 304	**vi., 337**
Quinoline amylbromide	$C_9H_7N.C_5H_{11}Br$	$C_{14}H_{18}BrN$	....	140	Claus and Tosse	B., 16, 1278	**44, 1009**
" " ...	"	"	$+xH_2O$	87	"	"	"
?	....	$C_{14}H_{18}Br_2N_2$	....	57·5	Werigo	Z. C. [1865], 631	**vi., 285**
Picoline ethylene dibromide	$(C_6H_7N)_2.C_2H_4Br_2$	"	....	276	Ramsay	P. M. [5], 2, 279	**36, 263**
β-Lutidine dibromide +HBr	$(C_7H_9NBr_2)_2+HBr$ (?)	$C_{14}H_{19}Br_5N_2$	....	64	Grimaux	C. R., 95, 85	**42, 1216**
Bromphenylquinolinamine	$N.(NH.C_6H_4Br)=1.2$; (1.4)	$C_{15}H_{11}BrN_2$	....	146	Friedländer and Weinberg	B., 18, 1533	**48, 990**
Phenylhydrazine + Bromcinnamaldehyde	$Ph.CBr:C_2H_2:N_2HPh$	$C_{15}H_{13}BrN_2$	....	129–130	Zincké and Hagen	B., 17, 1815	**46, 1344**
Tetrabrom-β-naphthylphenylamine	fr. $C_{10}H_7.NHPh$	$C_{16}H_9Br_4N$	cf. A., 209, 15[illegible]	198	Streiff	B., 13, 1853	**40, 177**
Tribrom-α-naphthylphenylamine	"	$C_{16}H_{10}Br_3N$	cf. A., 209, 155	137	"	B., 13, 1852	**40, 176**
Dibrom-β-naphthylphenylamine	"	$C_{16}H_{11}Br_2N$	cf. A., 209, 15[illegible]	140	"	B., 13, 1853	**40, 177**
Methyldiphenylbrompyrazene	$C_3N_2BrMePh_2$	$C_{16}H_{13}BrN_2$	....	75	Knorr and Blank	B., 18, 316	**48, 556**
Brombenzylquinoline dibromide	$C_9H_7N.C_7H_7Br.Br_2$	$C_{16}H_{14}Br_3N$	....	100 u. c.	Claus	B., 18, 1306	**48, 908**
Dixylylamine hydrobromide	$(Me.C_6H_4.CH_2)_2NH+HBr$	$C_{16}H_{20}BrN$	....	195–196	Pieper	A., 151, 129	**vi., 1133**
Tetrabromtolylnaphthylamine	fr. $C_{10}H_7.NH.C_6H_4Me$ $=\beta$; 1.4	$C_{17}H_{11}Br_4N$	....	168–169	Friedländer	B., 16, 2080	**46, 80**
?	$C_9H_6N.CHBr.CHBr.Ph$	$C_{17}H_{13}Br_2N$	....	173–174	Wallach & Wüsten	B., 16, 2009	**44, 1097**
Dibromdiquinoline	$(C_9NH_6Br)_2=a_1$; β_2-a_1 ; a_1	$C_{18}H_{10}Br_2N_2$	....	n.f. 280	Fischer	M. C., 6, 546	**48, 1247**
Bromdiquinoline	....	$C_{18}H_{11}BrN_2$	....	150–155	Ostermeyer and Henrichsen	B., 17, 2449	**48, 174**
Dibromtetramethyldiamidoditolyl	$Me_2N.MeBrC_6H_2.C_6H_2BrMe.$ $NMe_2=1.2.(?)_2$; $(?)_2.2.1$	$C_{18}H_{22}Br_2N_2$	....	117	Michler and Sampaio	B., 14, 2173	**42, 177**
Methylphenamidoazotribrombenzene	$C_6H_2Br_3.N_2.C_6H_4.NMePh$ $=1.3.5.6$; 1.?	$C_{19}H_{14}Br_3N$	....	138	Silberstein	J. p. [2], 27, 98	**44, 662**
Pentabromazonaphthalene	....	$C_{20}H_9Br_5N_2$	....	a. 320	Klobukowski	B., 10, 576	**32, 623**
Tribromtribenzylamine	$(C_6H_4Br.CH_2)_3N=(1.4)_3$	$C_{21}H_{18}Br_3N$	....	78–79	Jackson & Lowery	B., 10, 1211	**34, 65**
"	" "	"	cryst. fr. ether	76–78	"	A. C. J., 3, 247	**42, 171**
"	" "	"	cryst. fr. petroleum	92	"	"	"
"	" $=(1.2)_3$	"	....	121·5	Jackson and White	B., 13, 1219	**38, 879**
Tribrombenzylamine + HBr	" $=(1.4)_3$	$C_{21}H_{19}Br_4N$	....	270	Jackson & Lowery	B., 10, 1211	**34, 65**
Brom-deriv. of phenanthroline	....	$C_{24}H_{16}Br_3N_4$	....	176–178	Skraup & Vortmann	M. C., 3, 581	
" "	....	$C_{24}H_{17}Br_3N$	....	176–178	"	M. C., 3, 581, 583	
" "	$C_{12}H_8N_2Br_2+C_{12}H_8N_2.HBr$	$C_{24}H_{17}Br_3N_4$	....	178	"	M. C., 3, 370	**44, 87**
Tetrabromtetrimidazoanthracene	$[C_6H_4:(C:NH)_2:C_6HBr_2]_2:N_2$	$C_{28}H_{14}Br_4N_6$	....	233	Claus & Diernfellner	B., 14, 1336	**42, 523**
Tetrabromdibenzylene di-p-tolylamine	$(Ph.CH)_2(N.C_6H_2Br_2Me)_2$	$C_{28}H_{22}Br_4N_2$	....	160–165 d.	Mazzara	G. I., 10, 370	**38, 879**
Diphenyldiisoindolazotribrombenzene	$(-CH.CPh.N.C_6H_4.N_2.$ $C_6H_2Br_3)_2=1.2$; 6.5.3.1	$C_{40}H_{24}Br_6N_6$	....	149–150	Mohlau	B., 15, 2491	**44, 342**

(11.) CHBrP, CHBrAs, and CHBrSb.

Phosphenyl dibromide	$Ph.PBr_2$	$C_6H_5Br_2P$	255–257	Liquid	Michaelis & Köhler	B., 9, 519	**30, 420**
" tetrabromide	$Ph.PBr_4$	$C_6H_5Br_4P$	....	207	"	B., 9, 521	"
" hexabromide	$Ph.PBr_6$	$C_6H_5Br_6P$	sb. a. 110	solid	"	"	"
Bromethyltriethylphosphonium bromide	$PBrEt_3.C_2H_3Br_2$	$C_8H_{19}Br_2P$	....	235 d.	Hofmann	As., 1, 154	**iv., 618**
Bromethyldimethylphenylphosphonium bromide	$PBrMe_2Ph.C_2H_4Br$	$C_{10}H_{16}Br_2P$	....	173	Gleichmann	B., 15, 199	**42, 958**

Name.	Constitution.	Formula	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylene tetramethyldiphenylphosphonium dibromide	$C_2H_4(PMe_2PhBr)_2$	$C_{18}H_{26}Br_2P_2$	....	a. 300	Gleichmann	B., 15, 199	**42**, 958
Tetrabromide of above	$C_2H_4(PMe_2PhBr)_2.Br_4$	$C_{18}H_{26}Br_6P_2$	....	171	„	B., 15, 200	„
Triphenyl benzylphosphonium bromide	$Ph.CH_2.PPh_3Br$	$C_{25}H_{22}BrP$	....	274	Michaelis & Soden	A., 229, 334	**48**, 1135
Tetrabenzylphosphonium bromide	$(Ph.CH_2)_4PBr$	$C_{28}H_{28}BrP$	....	216-217	Letts and Collie	T. E., 30, 181	**42**, 724
Ethylene di(triphenylphosphonium bromide)	$C_2H_4(PPh_3Br)_2$	$C_{38}H_{34}Br_2P_2$	....	a. 300	Michaelis & Gleichmann	B., 15, 804	**42**, 1062
Arsenphenyl dibromide	$Ph.AsBr_2$	$C_6H_5Br_2As$	285 s.d.	Liquid	Michaelis	A., 201, 203 ; B., 10, 625	**32**, 452
Arsendiphenyl bromide	Ph_2AsBr	$C_{12}H_{10}BrAs$	356 in CO_2	Liquid	Coste and Michaelis	A., 201, 230 ; B., 11, 1886	**38**, 162
Stibtriethyl dibromide	Et_3SbBr_2	$C_6H_{15}Br_2Sb$	....	s.—10	Lowig & Schweitzer	J. [1850], 475	i., 342
Stibtritolyl „	$(C_6H_4Me)_3SbBr_2 = (1.3)_3$	$C_{21}H_{21}Br_2Sb$	....	113	Michaelis and Genzken	B., 17, 925	**48**, 1136
„ „	„ $= (1.2)_3$	„	....	*178* ; 210	„	„	„
„ „	„ $= (1.4)_3$	„	...	233-234	„	„	„

(12.) CHIO.

Name.	Constitution.	Formula	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Triiodacetaldehyde (Iodal)	$CI_3.COH$	C_2HI_3O	25–115	....	....	....	iii., 280
„ „	„	„	*110*	....	Johnson	P. M. [3], 2, 415	„
Tetriodmethyloxide	$(CHI_2)_2O$	$C_2H_2I_4O$	181–182	s. —6	Brüning	J., 10, 434	
Acetyl iodide....	$CH_3.COI$	C_2H_3IO	*108* (*757*)	cf. A., 103, 335	Guthrie	P. M. [4], 14, 184	i., 35
„ „	„	„	104–105	cf. A., 95, 209	Cahours	J. 10, 344	„
Iodacetic acid	$CH_2I.COOH$	$C_2H_3IO_2$	....	82	Perkin and Duppa	P. M. [4], 18, 55	iii., 279
Methyl iodide hydrate	$(CH_3I)_2.H_2O$	$C_2H_8I_2O$	....	—4	Fourcraud	C. R., 80, 1491	**40**, 32
Iodopropargylic acid	$CI \vdots C.COOH$	C_3HIO_2	....	*140*	Baeyer	B., 18, 2274	**48**, 1199
„ „	„	„	....	140	Homolka and Stolz	B., 18, 2282	
Triiodacrylic acid	$CI_2 : CI.COOH$	$C_3HI_3O_2$	....	207	„	B., 18, 2286	**48**, 1198
β-diiodacrylic acid	$CI_2 : CH.COOH$	$C_3H_2I_2O_2$	....	133	„	B., 18, 2284	„
α-β- „ „	$CHI : CI.COOH$	„	....	106	„	„	„
Iodacrylic acid	$CHI : CH.COOH$	$C_3H_3IO_2$	....	139–140	Bandrowsky	B., 15, 2703	**43**, 510
Diiodacetone	$CH_2I.CO.CH_2I$	$C_3H_4I_2O$	....	61·5–62·5	Völker	A., 192, 89	**34**, 781
Propionyl iodide	$CH_3.CH_2.COI$	C_3H_5IO	127–128	....	Sestini	B.S. [2], 11, 469	vi., 963
Iodallyl alcohol	$C_3H_4I.OH$	„	....	160	Hübner and Lellmann	B., 13, 461	**38**, 538
„ „	„	„	....	160	„	B., 14, 208	**40**, 242
Epi-iodhydrin	$O.CH_2.CH.CH_2I$	„	160–180	Liquid	Reboul	As., 1, 227	
Methylic iodacetate	$CH_2I.COOMe$	$C_3H_5IO_2$	169–171 c.	....	Aronstein & Kramps	B., 14, 604	
α-Iodopropionic acid	$CH_3CHI.COOH$	„	....	Liquid	Wichelhaus	A., 163, 1 ; 144, 352	vi., 960
β- „ „	$CH_2I.CH_2.COOH$	„	....	*82*	Beilstein	A., 120, 231	iv., 733
β- „ „	„	„	....	82	Melikoff	B., 13, 2154	**40**, 154
β- „ „	„	„	....	82·5	„	B., 13, 906	**38**, 800
α-Iodolactic acid	$CH_3.CI(OH).COOH$	$C_3H_5IO_3$	....	84–85	Glinsky	B., 6, 1257	
β- „ „	$CH_2I.CH(OH).COOH$	„	....	100–101	Melikoff	B., 14, 937	**40**, 712
Glycerol diiodhydrin	$C_3H_5I_2.OH$	$C_3H_6I_2O$	d. 70–76	s. —16 to —20	Claus	A., 168, 25 ; B., 5, 355	**25**, 684 ; **26**, 1122
Diiodopropyl alcohol ...	$C_2H_3I_2.CH_2OH$	„	....	45 d.	Hübner and Lellmann	B., 14, 207	**40**, 242
Propylene glycol iodhydrin....	....	C_3H_7IO	105 (60)	....	....	Z. C. [1870], 424	
Iodofumaric acid	$COOH.CH : CI.COOH$	$C_4H_3IO_4$	....	182–184	Bandrowski	B. 15, 2697	**44**, 313

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methyl iodopropargyl oxide	$C_3H_2I.O.Me$	C_4H_5IO	....	s. 12	Liebermann	A., 135, 288	vi., 959
Crotonyl iodide	....	"	131–133	Liquid	Lieben and Liesel	W. A., 82, 960	40, 711
Butyryl iodide	$Me.CH_2.CH_2.COI$	C_4H_7IO	146–148	....	Cahours	J., 10, 344	i., 699
Ethylic iodacetate	$CH_2I.COOEt$	$C_4H_7IO_2$	178–180	cf. A., 112, 127	Butlerow	B., 5, 479	
Methylic β-iodopropionate	$CH_2I.CH_2.COOMe$	"	188 (756)	Liquid	Henry	C. R., 100, 114	48, 372
α-iodobutyric acid	....	"	....	110	Alberti	B., 9, 1194	
β- " "	....	"	....	Liquid	"	"	
Iodoisobutyric acid	$CH_2I.CHMe.COOH$	"	....	37	Fittig	B., 9, 122	29, 898
" "	"	"	....	*36*	Engelhorn	A., 200, 65	38, 379
" "	"	"	....	36	Fittig	A., 187, 42	32, 736
Iodethyl oxide	$CH_2I.CH_2.OEt$	C_4H_9IO	154–156	Liquid	Baumstark	B., 7, 1173	28, 141
" "	"	"	*154–155*	....	Demole	B., 9, 744, 746	
Iodopyromeconic acid	....	$C_5H_3IO_3$	cf. A., 92, 321	a. 100	Brown	P. M. [4], 8, 201	iv., 761
Ethylic iodopropargylate	$CI \vdots C.COOEt$	$C_5H_5IO_2$	....	68	Baeyer	B., 18, 2274	48, 1199
Itaiodopyrotartaric acid	....	$C_5H_7IO_4$	....	135	....	Z. C. [1866], 722	vi., 981
Isovaleric iodide	$CHMe_2.CH_2.COI$	C_5H_9IO	168	....	Cahours	C. R., 44, 1252	v., 980
Propylic iodacetate	$CH_2I.COOPr^{\alpha}$	$C_5H_9IO_2$	198 (756)	Liquid	Henry	C. R., 100, 114	48, 372
Ethylic β-iodopropionate	$CH_2I.CH_2.COOEt$	"	202	....	....	A., 216, 128	
" " ...	"	"	198–200(754) s. d.	Liquid	Henry	C. R., 100, 114	48, 372
" "	"	"	180–200	....	Beilstein	A., 122, 368	iv., 736
" "	"	"	160–170	....	....	J. p. [2], 20, 166	
Hydriodoangelic acid	....	"	....	46	Schmidt	B., 12, 252	36, 618
" "	....	"	....	46	"	A., 208, 254	40, 1126
β-iodisopropylacetic acid	$Me_2.CI.CH_2.COOH$	"	....	79–80	Schirokoff	J. p. [2], 23, 285	40, 414
Iodovalerianic acid	fr. MeEt.CH.COOH	"	....	86·5	Berendes	B., 10, 836	32, 593
Hydriodotiglic acid	MeEtCI.COOH	"	....	86·5	Schmidt	A. P. [3], 13, 213	36, 222
" "	"	"	....	86·5	"	B., 12, 255	36, 618
" "	"	"	....	86·5	"	A., 208, 254	40, 1126
Diiodoquinone	$C_6H_2I_2 \vdots O_2$=?.?.1.4	$C_6H_2I_2O_2$	....	178	Seifert	J. p. [2], 28, 437	46, 431
Triiodophenol	$OH.I_3$=1.2.4.6	$C_6H_3I_3O$	....	150	Schützenberger	A., 120, 307; 131, 232	vi., 909
"	" "	"	....	*156*	Körner	A., 137, 214	vii., 929
Triiodoresorcinol	$(OH)_2.I_3$=1.3.4.6.?	$C_6H_3I_3O_2$	s.b. 190 d.	145 u. c.	Michael & Norton	B., 9, 1752	31, 464
"	" =1.3.4.$(?)_2$	"	....	154	Claassen	B., 11, 1443	34, 868
Diiodophenol	$OH.I_2$=?	$C_6H_4I_2O$	....	68	Schall	B., 16, 1902	
"	"	"	....	abt. 110	Schützenberger and Sengenwald	C. R., 54, 197	iv., 394
"	" =1.2.4	"	....	150	Hlaswitz and Weselsky	B., 2, 525; W. A., 60, 290	vi., 910
"	$(OH)_2.I_2$=1.4.5.?	$C_6H_4I_2O_2$	....	145	Seifert	J. p. [2], 28, 437	46, 431
Iodophenol	OH.I=1.2	C_6H_5IO	....	l. −23	Lobanoff	B., 6, 1251	27, 260; vii., 907
"	" "	"	....	Liquid	Körner	G. I., 4, 305	29, 235
"	" "	"	....	*43*	Nolting and Wrzesinski	B., 8, 820	vii., 929
"	" =1.3.(?)	"	....	Solid	Körner	G. I., 4, 305	29, 235
"	" "	"	....	*64–66*	Lobanoff	B., 6, 1251	27, 260; vii., 907
"	" =1.4.(?)	"	cf. A., 137, 213	Solid	Körner	G. I., 4, 305	29, 235
"	" "	"	....	89	Lobanoff	B., 6, 1251	27, 260; vii., 907
Iodoresorcinol	$(OH)_2.I$=1.3.?	$C_6H_5IO_2$	....	67	Stenhouse	P. R., 22, 53; A., 171, 311	27, 586
Ethylic α-iodobutyrate	$CH_3.CH_2.CHI.COOEt$	$C_6H_{11}IO_2$	190–192 d.	....	Hell	B., 6, 30	26, 495
Triiodosalicylic acid	$COOH.OH.I_3$=1.2.$(?)_3$	$C_7H_3I_3O_3$	....	157 d.	Lautemann	A., 120, 306; 174, 104	v., 158
Diiodosalicylic acid	$COOH.OH.I_2$=1.2.$(?)_2$	$C_7H_4I_2O_3$	....	d.w.m. 193	Liechti	As., 7, 141	vi., 1003
" "	" "	"	....	d.w.m. 212	Lautemann	A., 120, 304	v., 158
" "	" "	"	....	d. 215	Birnbaum and Reinherz	B., 15, 459	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diiodosalicylic acid	COOH.OH.I_2=1.2.(?)$_2$	$C_7H_4I_2O_3$	....	220–230 d.	Demole	B., 7, 1439	
Iodobenzaldehyde	COH.I=1.4	C_7H_5IO	....	73	Jackson and White	B., 11, 1043	**34**, 729
Iodobenzoic acid	COOH.I=1.2	$C_7H_5IO_2$	....	150–155	Mabery & Robinson	A. C. J., 4, 101	**42**, 1057
" "	" "	"	....	152	Griess	B., 4, 521	**24**, 702; v.i., 164
" "	" "	"	....	*156–157*	Kekulé	B., 7, 1007	**28**, 64
" "	" "	"	....	155–156; 157	Richter	B., 4, 553, 554	**24**, 824
" "	" =1.3	"	....	172·5	Körner	Z. C. [2], 4, 327	**24**, 825; vi., 313
" "	" "	"	....	185	Griess	B., 4, 522	**24**, 702; vii., 164
" "	" "	"	....	186	Birnbaum and Reinherz	B., 15, 458	**42**, 970
" "	" "	"	....	*187*	Cunze and Hübner	A., 135, 108; 136, 201	vi., 313
" "	" =1.4	"	....	n.f. 250	Körner	Z. C. [2], 4, 327	vi., 313; vii., 164
" "	" "	"	....	250–251	Glassner	B., 8, 562	**28**, 888
" "	" "	"	....	256	Schmidt & Schultz	A., 207, 333	
" "	" "	"	....	257	Louis	B., 16, 111	
" "	" "	"	....	262	Pahl	B., 17, 1234	**46**, 1009
" "	" "	"	....	263	Michael & Norton	B., 18, 137	
" "	" "	"	....	*265–266*	Beran	"	**48**, 523
" "	" "	"	....	267	Richter	B., 4, 554	**24**, 824
Iodohydroxybenzaldehyde	COH.OH.I=1.4.?	"	....	198–199	Herzfeld	B., 10, 2198	**34**, 423
Iodohydroxybenzoic acid	COOH.OH.I=1.4.?	$C_7H_5IO_3$	....	160	Peltzer	A., 146, 288	vi., 900
Iodosalicylic acid	" =1.2.5	"	mixture ?	184	Liechti	A. S., 7, 136	vi., 1003
" "	" "	"	"	184	Demole	B., 7, 1437, *et seq*	**28**, 253
" "	" "	"	....	193·5	Frankland	37, 749	vi., 1003
" "	" "	"	....	196	Lautemann	A., 120, 302	v., 158
" "	" "	"	....	196	Hübner	B., 12, 1347	**36**, 928
" "	" "	"	....	196	Goldberg	J. p. [2], 19, 368	**36**, 929
" "	" "	"	....	*197*	Miller	B., 16, 81	**41**, 404
" "	" =1.2.3	"	....	*198*	"	"	"
Diiodocresol	Me.OH.I_2=1.4.3.5	$C_7H_6I_2O$	....	61–61·5	Schall and Dralle	B., 17, 2534	**48**, 146
Iodobenzyl alcohol	(CH_2 OH).I=1.4	C_7H_7IO	cf. A. C. J., 2, 251	71·75	Mabery & Jackson	B., 11, 56	**34**, 421
Iodorcinol	Me.$(OH)_2$.I=1.3.5.?	$C_7H_7IO_2$	....	86·5	Stenhouse	P. R., 22, 53; C. N., 26, 279; A., 171, 310	vii., 879; **26**, 275; **27**, 585
Acetyldiiodophenol	$C_6H_3I_2$.OAc	$C_8H_6I_2O_2$	....	107 u.c.	Schall	B., 16, 1902	**44**, 1109
Methylic iodobenzoate	COOMe.I=1.4	$C_8H_7IO_2$	....	114	Schmidt & Schultz	A., 207, 333	
" "	" "	"	....	114	Louis	B., 16, 111	
" "	" "	"	....	*115*	Pahl	B., 17, 1234	**46**, 1010
Iodo-α-toluic acid	C_6H_4I.(CH_2.COOH)=1.2	"	....	95–96	Mabery & Robinson	A. C. J., 4, 101	**42**, 1057
" "	" =1.4	"	cf. A. C. J., 2, 253	135	Mabery & Jackson	B., 11, 56	**34**, 422
Iodanisic acid	COOH.OMe.I.=1.4.5	$C_8H_7IO_3$	....	234	Peltzer	B. S. [2], 9, 148	vi., 173
" "	" "	"	....	*234·5*	"	A., 146, 302	vi., 901
" "	" "	"	....	234–235	Schall and Dralle	B., 17, 2528	**48**, 146
Iodovanillin	COH.OH.OMe.I.=1.4.5.?	"	....	174	Carles	B. S. [2], 17, 12	vii., 1201
"	" "	"	....	174	Tiemann & Haarmann	B., 7, 616	**27**, 896
Methoxyiodotoluene	Me.OMe.I=1.4.5	C_8H_9IO	237–238	Liquid	Schall and Dralle	B., 17, 2533	**48**, 146
Iodo-β-orcinol	$C_6HIMe_2(OH)_2$	$C_8H_9IO_2$	....	93	Stenhouse & Groves	A., 203, 298	**37**, 404
Iodocinnamic acid	C_6H_4I.(CH:CH.COOH)=1.2	$C_9H_7IO_2$	....	212–214	Gabriel & Herzberg	B., 16, 2036; C. C. [1884], 35	**44**, 1123; **48**, 661
" "	" =1.3	"	....	181–182	"	"	"
" "	" =1.4	"	....	d. w. m. 255	"	"	"
Ethylic iodobenzoate	COOEt.I=1.2	$C_9H_9IO_2$	....	Liquid	....	....	vi., 313
" "	" =1.3	"	....	Liquid	....	A., 135, 110	
" "	" =1.4		....	Liquid	....	A., 207, 333	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenyliodopropionic acid	$Ph.C_2H_3I.COOH$	$C_9H_9IO_2$	....	119–120 d.	Fittig and Binder	B., 9, 1195; A., 147, 97; 195, 133	31, 61; 36, 378
Iodohydrocinnamic acid	$C_6H_4I.(CH_2.CH_2.COOH)$ =1.2	„	....	102–103	Gabriel & Herzberg	B., 16, 2036; C. C. [1884], 35	44, 123; 48, 661
„ „	„ =1.3	„	....	65–66	„	„	„
„ „	„ =1.4	„	....	140–141	„	„	„
Ethylic iodosalicylate	COOEt.OH.I=1.2.?	$C_9H_9IO_3$	....	70–71	....	J. [1864], 385	
Acetoxydiiodotoluene	$Me.OAc.I_2$=1.4.3.5	$C_9H_8I_2O_2$	....	62–62·5	Schall and Dralle	B., 17, 2534	48, 146
Iodonaphthol	OH.I=?	$C_{10}H_7IO$	....	88	Ostermeyer	C. C. [1884], 937	48, 672
„	„ $=\beta_1\ \alpha$;	„	....	94·5	Meldola	47, 525	
Diacetyltriiodoresorcinol	$(OAc)_2.I_3$=1.3.4.(?)$_2$	$C_{10}H_7I_3O_4$	....	170	Claesson	B., 11, 1443	34, 868
Iodomeconin	....	$C_{10}H_9IO_4$	....	112	Anderson	A., 98, 49	iii., 863
HI on Cantharidin	....	$C_{10}H_{12}I_2O_3$	....	131	Piccard	B., 12, 577	36, 655
Iodocamphor	....	$C_{10}H_{15}IO$	....	43–44	Haller	C. R., 87, 695	36, 329
Diiododiphenylquinol	$C_6H_3I(OH).C_6H_3I(OH)$	$C_{12}H_8I_2O_2$	....	abt. 150	Kämmerer & Benzinger	B., 11, 557	34, 574
Benzoyldiiodophenol....	$C_6H_3I_2$ OBz	$C_{13}H_8I_2O$	....	95–96	Schall	B., 16, 1903	44, 1109
Diiododiphenic acid	$(C_6H_3I.COOH)_2$=(1.4.2)$_2$	$C_{14}H_8I_2O_4$	....	abt. 260	Schultz	B., 11, 217	34, 511
„ „	„ „	„	....	*262*	„	B., 12, 236	36, 653
Benzoxydiiodotoluene	$Me.OBz.I_2$=1.4.3.5	$C_{14}H_{11}I_2O_2$	....	129·5–130	Schall and Dralle	B., 17, 2534	48, 146
Santonic iodide	....	$C_{15}H_{19}IO_3$	....	136	Cannizzaro and Valente	G. I., 8, 309	36, 331
Benzaldide oxyiodide	....	$C_{21}H_{18}I_4O$	....	28	Geuther & Cartmell	A., 112, 22	i., 572

(13.) CHIS, CHISe, and CHITe.

Diiodothiophene	....	$C_4H_2I_2S$	....	40·5	Meyer and Kreis	B., 17, 1558	46, 1131
Iodothiophene	....	C_4H_3IS	182 u.c.	Liquid	„	B., 17, 1559	„
Diethylene disulphotetriodide	$(C_2H_4)_2S_2I_4$	$C_4H_8I_4S_2$	....	132–133 d.	Husemann	A., 126, 289	vi., 607
Iodo-β-ethylthiophene	C_4SH_2IEt	C_6H_7IS	....	Liquid	Bonz	B., 18, 551	48, 767
Iodothioxylene	C_4SHIMe_2	„	....	Liquid	Messinger	B., 18, 1638	48, 1052
Triethyl sulphuro-iodide	SEt_3I	$C_6H_{15}IS$	....	a. 100	Dehn	As., 4, 95	v., 882
Diiodophenylsulphide	$S(C_6H_4I)_2$	$C_{12}H_8I_2S$	....	138–139	Krafts	B., 7, 1165	26, 154
Triethyl seleno-iodide	$SeEt_3I$	$C_6H_{15}ISe$	....	w.m. 80–126	Pieverling	A., 185, 333	34, 130
Benzyldimethyl seleno-triiodide	$Ph.CH_2.SeMe_2I_3$	$C_9H_{13}I_3Se$	....	65	Jackson	A., 179, 19	29, 581
Diethyltellurodiiodide	$TeEt_2I_2$	$C_4H_{10}I_2Te$	....	50	Maleet	A., 79, 223	ii., 550
Triethyltelluroiodide	$TeEt_3I$	$C_6H_{15}ITe$	....	90–92	Becker	A., 180, 263	30, 46

(14.) CHIN.

Hydrocyanic hydriodide	HCN.HI	CH_2IN	v. 350–400	....	....	A., 138, 36	
Ethylguanidine hydriodide....	NHEt.C(:NH).NH$_2$+HI	$C_3H_{10}IN_3$	....	149 d.	Letnü	B., 8, 767	29, 911
Tetriodopyrroline	C_4I_4:NH	C_4HI_4N	....	d.w.m. 140–150	Ciamician & Dennstedt	B., 15, 2584	44, 351
Pyridine periodide	$C_5H_5N.HI.I_4$	$C_5H_6I_5N$	....	89	Dafert	M. C., 4, 496	44, 980
Trimethylethylammonium triiodide	$NEtMe_3I_3$	$C_5H_{14}I_3N$	....	*64*	Müller	A., 108, 1	iii., 1000
„ „	„	„	....	64	Dafert	M. C., 4, 496	44, 978
Trimethylethylammonium pentiodide	$NEtMe_3I_5$	$C_5H_{14}I_5N$	....	68	„	„	„
„ „	„	„	....	*68*	Müller	A., 108, 3	iii., 1000
Triiodaniline	$NH_2.I_3$=1.2.4.6	$C_6H_4I_3N$	....	185·5	Michael & Norton	B., 11, 111	34, 406

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diiodaniline	$NH_2.I_2$=1.2.4.	$C_6H_5I_2N$	...	*95–95·5*	Michael & Norton	B., 11, 111	**34**, 406
"	"	"	....	96	Rudolph	B., 11, 79	**34**, 422
Iodaniline	$NH_2.I$=1.3	C_6H_6IN	....	*25*	Griess	J. [1866], 457	vi., 921
"	" "	"	....	25	Körner	G. I., 4, 305	**29**, 233
"	" =1.4 or 1.2	"	...	60	Hofmann	A., 67, 65	iv., 444
"	" "	"	....	*60*	Griess	J. [1866], 457	vi., 921
"	" "	"	....	60	Körner	G. I., 4, 305	**29**, 233
"	" "	"	....	60	Michael & Norton	B., 11, 108	**34**, 406
"	" "	"	....	60	Gabriel	B., 11, 2261	**36**, 324
"	" =1.4 (?)	"	....	83	Hübner	B., 10, 1717	
Picoline diiodide+HI	$C_6H_7NI_2.HI$	$C_6H_8I_3N$	....	79	Ramsay	P. M. [5], 2, 273	**36**, 263
Ethylglyoxalinemethiodide....	$(C_3H_3N)NEt.MeI$	$C_6H_{11}IN_2$	....	74–75	Wallach	B., 16, 535	**44**, 911
Methylhydropyrroline methiodide	$C_4H_6MeN.MeI$	$C_6H_{12}IN$	....	286 d.	Ciamician & Dennstedt	B., 16, 1542	**44**, 1142
Pipecoline hydriodide	$NH.(CH_2)_3.CHMe.CH_2$+HI	$C_6H_{14}IN$	....	131	Hesekiel	B., 18, 912	**48**, 812
Triethylazonium iodide ...	$N_2H_2Et_2.EtI$	$C_6H_{17}IN_2$	74–78	....	Fischer	B., 11, 2208	**36**, 451
Iodobenzonitril	$C_6H_4I.CN$=1.3	C_7H_4IN	....	41	Griess	B., 2, 370	vii., 427
Diiodotoluidine	$Me.NH_2.I_2$=1.4.3.5	$C_7H_7I_2N$	....	124·5	Michael & Norton	B., 11, 115	**34**, 407
Iodobenzylamine	$C_6H_4I.(CH_2.NH_2)$=1.2	C_7H_8IN	....	Liquid	....	A. C. J., 4, 101	
"	" =1.4	"	....	Liquid	....	A. C. J., 2, 257	
Iodotoluidine....	$Me.NH_2.I$=1.2.4	"	273 d.	48–49	Heymann	Z. C. [2], 6, 402; A., 158, 338	**24**, 681; vii., 1167, 1177
"	" =1.3.4	"	....	188–189	Glassner	B., 8, 562	**28**, 897
Picoline methiodide	$C_6H_7N.MeI$	$C_7H_{10}IN$	....	226·5–227u.c.	Ramsay	P. M. [5], 2, 277	**36**, 263
Picoline methiodide diiodide	$C_6H_7NI_2.MeI$	$C_7H_{10}I_3N$	....	129	"	P. M. [5], 2, 278	"
Methyltriethylammonium triiodide	NEt_3MeI_3	$C_7H_{18}I_3N$	....	62	Müller	A., 108, 1	iii., 1000
Iod-*a*-toluic nitril	$C_6H_4I.(CH_2.CN)$=1.4	C_8H_6IN	....	50·5	Mabery & Jackson	B., 11, 56	**34**, 422
Dimethyliodaniline	$C_6H_4I.NMe_2$	$C_8H_{10}IN$	....	79	Merz and Weith	B., 10, 757, 765	**32**, 603
Picoline ethiodide	....	$C_8H_{12}IN$	...	b. 100	Anderson	A., 94, 361	
Hydro-*a*-isopropyl pyridine +HI	....	$C_8H_{14}IN$	....	242–243	Ladenburg	B., 18, 1589	**48**, 992
Tropidine periodide	....	$C_8H_{14}I_3N$	....	92–93	"	B., 14, 232	
Iodotrimethylpiperidine	....	$C_8H_{16}IN$	....	60	Fischer	B., 17, 1796	**46**, 1291
Trimethylpiperylium iodide	$(C_5H_8Me)''Me_2NI$	$C_8H_{18}IN$	....	200	Hofmann	B., 14, 663	**40**, 621
Trimethylamylammonium triiodide	$NMe_3(C_5H_{11})I.I_2$	$C_8H_{20}I_3N$	....	80	Müller	A., 108, 1	iii., 1001
Tetrethylammonium triiodide	$NEt_4I.I_2$	"	....	142	Dafert	M. C., 4, 496	**44**, 978
Iodoquinoline	$N.I=a_1\beta_1$;	C_9H_6IN	....	52–53	Friedländer and Weinberg	B., 18, 1531	**48**, 990
"	" = ?	"	300+	62–63	La Coste	B., 18, 782	**48**, 815
Quinoline diiodide	....	$C_9H_7I_2N$(?)	....	67	Dafert	M. C., 4, 496	**44**, 980
" "	....	"	....	90	Claus and Istel	B., 15, 824	**42**, 111
Iodocyanethine	....	$C_9H_{14}IN_3$	....	152	Riess	J. p. [2], 30, 145	**48**, 236
Trimethylphenylammonium triiodide	$NMe_3PhI.I_2$	$C_9H_{14}I_3N$	....	116	Dafert	M. C., 4, 496	**44**, 978
Trimethylphenylammonium pentiodide	$NMe_3PhI.I_4$	$C_9H_{14}I_5N$	....	87	"	"	"
Oxalmethylisoamyline methiodide	$C_7H_{11}MeN_2.MeI$	$C_9H_{17}IN_2$	....	169–170	Radziszewski and Szul	B., 17, 1294	**46**, 986
Iodotetramethylpiperidine	....	$C_9H_{18}IN$	....	90	Fischer	B., 17, 1792	**46**, 1290
Iod-o-methyl quinoline ...	C_9NH_5MeI	$C_{10}H_8IN$	....	73–74	La Coste	B., 18, 785	**48**, 815
Quinoline methiodide ...	$C_9NH_7.MeI$	$C_{10}H_{10}IN$	....	72	"	B., 15, 192	
" "	"	"	....	72	Ostermeyer	B., 18, 594	**48**, 672
Dimethylethylphenylammonium iodide	$NPhMe_2EtI$	$C_{10}H_{16}IN$	....	124·5	Claus & Rautenberg	B., 17, 1325	**46**, 1005
" "	"	"	....	126	Claus and Howitz	"	"
Dimethylconylammonium iodide	$C_8H_{16}:NMe_2I$	$C_{10}H_{22}IN$	....	100	Hofmann	B., 14, 708	**40**, 745
Dimethylcopellidinium iodide	$C_8H_{16}Me_2NI$	"	....	267–268	Dürkopf	B., 18, 926	**48**, 817

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-Methylquinoline methiodide	$C_{10}H_9N.MeI$	$C_{11}H_{12}IN$	....	221	Döbner and Miller	B., 18, 1642	
? ,, ,,	$N.Me=a_1\beta_1$;	,,	....	195	,,	B., 16, 2468	**46**, 184
Ethyl quinazole methiodide	$C_{10}H_{12}N_2.MeI$	$C_{11}H_{15}IN_2$	....	192 d.	Fischer & Kuzel	A., 221, 261	**46**, 442
Ethylanhydracetdiamidotoluene iodide	$C_6H_3Me.N:CMe.NHEtI$	,,	$+H_2O$	141·5–143·5	Hübner	A., 210, 328	**42**, 505
Diethylaniline methiodide ...	$NPhEt_2MeI$	$C_{11}H_{18}IN$	....	102	Claus and Howitz	B., 17, 1326	**46**, 1006
Methylamylpiperylammonium iodide	$C_5H_{10}N(C_5H_{11}).MeI$	$C_{11}H_{24}IN$	....	195	Schotten	B., 15, 422	**42**, 982
Diiodoazobenzene	$C_6H_4I.N_2.C_6H_4I=(1.3)_2$	$C_{12}H_8I_2N_2$	....	150	Gabriel	B., 9, 1410	**31**, 307
,, ...	,, $=(1.4)_2$	,,	....	237	,,	B., 9, 1409	,,
Diiodohydrazobenzene ...	$C_6H_4I.N_2H_2.C_6H_4I=(1.3)_2$	$C_{12}H_{10}I_2N_2$	....	89–90	,,	B., 9, 1410	,,
,, ...	,, $=(1.4)_2$	,,	....	a. 100	,,	B., 9, 1409	,,
Ethyl (or dimethyl) quinoline methiodide	$C_{11}H_{11}N.MeI$	$C_{12}H_{14}IN$	....	203	Nölting and Weingärtner	B., 18, 1342	**48**, 978
Ethyltetrahydroquinoline methiodide	$C_9H_{10}EtN.MeI$	$C_{12}H_{18}IN$	....	179 u.c.	Claus and Stegelitz	B., 17, 1331	**46**, 1051
Trimethylpropylphenylammonium iodide	$C_6H_4Pr.NMe_2+MeI=1.4$	$C_{12}H_{20}IN$	....	168	Claus and Howitz	B., 17, 1328	**46**, 1006
Triethylphenylammonium triiodide	$NEt_3PhI.I_2$	$C_{12}H_{20}I_3N$	....	81	Dafert	M. C., 4, 496	**44**, 978
Triethylphenylammonium pentiodide	$NEt_3PhI.I_4$	$C_{12}H_{20}I_5N$	....	68	,,	,,	,,
Tetramethyldiamidotoluene methiodide	$Me.(NMe_2)_2=1.2.5$	$C_{12}H_{21}IN_2$	....	160	Würster and Riedel	B., 12, 1802	**38**, 109
Ethylmethylquinoline methiodide	$N.Et.Me=a_1\beta_1\beta_2$;	$C_{13}H_{16}IN$	....	196 p.d.	Döbner and Miller	B., 17, 1715	**46**, 1375
Ethenyldiethyltoluyleneamidine triiodide	....	$C_{13}H_{19}I_3N_2$	....	111	....	A., 210, 376	
Methylbenzylpiperyl ammonium iodide	$C_5H_{10}N.C_7H_7+MeI$	$C_{13}H_{20}IN$	....	145	Schotten	B., 15, 423	**42**, 982
Triethylbenzylamine periodide	$NEt_3(CH_2Ph)I_3$	$C_{13}H_{22}I_3N$	....	87	Ladenburg & Struve	B., 10, 46	
β-Naphthoquinoline methiodide	$C_{13}H_9N.MeI$	$C_{14}H_{12}IN$	....	200–205	Skraup & Cobenzl	M. C., 4, 436	**44**, 1011
Diiododibenzylamine....	$(C_6H_4I.CH_2)_2NH=(1.4)_2$	$C_{14}H_{13}I_2N$	....	76	Mabery & Jackson	B., 11, 58	**34**, 422
Dibenzylamine hydriodide	$(C_6H_5.CH_2)_2NH.HI$	$C_{14}H_{16}IN$	....	224	Limpricht	A., 144, 304	**vi.**, 337
Dimethyldiethyldiamidobenzene dimethiodide	$C_6H_4.NMe_2.NEt_2+2MeI=1.4$	$C_{14}H_{26}I_2N_2$	....	218	Lippmann & Fleissner	M. C., 4, 788	**46**, 178
Methylacridine methiodide...	$C_{13}H_8NMe.MeI$	$C_{15}H_{14}IN$	....	185 d.	Bernthsen	A., 224, 1	**46**, 1356
Dimethylanhydrobenzodiamidobenzene iodide	$C_6H_4.N:CPh.NMe_2I$	$C_{15}H_{15}IN_2$	....	280	Hübner	A., 201, 365	**42**, 505
Dimethylanhydrobenzodiamidobenzene triiodide	$C_6H_4N:CPh.NMe_2I_3$	$C_{15}H_{15}I_3N_2$	....	140·5	,,	,,	,,
Azobenzenetrimethylammonium iodide	$Ph.N_2.C_6H_4.NMe_3I$	$C_{16}H_{18}IN_3$	....	173–174	Berjù	B., 17, 1402 ; C. C. [1884], 871	**46**, 1148 ; **46**, 660
β-Methylquinoline amyl-iodide	$C_{10}H_9N.C_5H_{11}I$	$C_{15}H_{20}IN$	....	215	Döbner and Miller	B., 18, 1643	
Benzenyldimethdiamidotoluene triiodide	....	$C_{16}H_{17}I_3N_2$	....	101	Hübner	A., 210, 368	
Flavoline methiodide	$N.Ph.Me=a_1\beta_1a_2$;	$C_{17}H_{16}IN$	....	185 d.	Bernthsen and Hess	B., 18, 34	**48**, 559
Methyldiphenylpyrazene methiodide	$C_3HN_2Ph_2Me+MeI$	$C_{17}H_{17}IN_2$	....	187	Knorr and Blank	B., 18, 315	**48**, 556
Iso-methyldiphenylpyrazene methiodide	,,	,,	....	192	,,	B., 18, 935	**48**, 811
Trimethylanthrammonium iodide	$C_{14}H_9Me_3NI$	$C_{17}H_{18}IN$	....	215 d. ; u. c.	Bollert	B., 16, 1637	**44**, 1139
Diethylanhydrobenzoyldiamidobenzene triiodide	$C_6H_4.NEt_2I.CPh:NI_2$	$C_{17}H_{19}I_3N_2$	....	154–155	Hübner and Simon	B., 12, 1342 ; A., 210, 358	**36**, 923
,, ,,	,,	,,	....	154–155	Hübner & Pichler	B., 10, 1722	**34**, 145
Tetramethylbenzidine methiodide	$Me_2N.C_6H_4.C_6H_4.NMe_3I=(1.4)_2$	$C_{17}H_{23}IN_2$	....	263	Michler and Pattinson	B., 14, 2163 ; B., 17, 117	**42**, 199 ; **46**, 747

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzenyldiethyltoluylene-amidine triiodide	....	$C_{18}H_{21}I_3N_2$	....	128–129	....	A., 210, 373	
Diethylene-ethyldiamidodi-phenyl iodide	....	$C_{18}H_{23}IN_2$	....	100	....	J. [1858], 353	**iv.**, 456
?-Diquinoline methiodide ...	$(.C_9NH_6)_2=\beta_2 ; a_1-a_1 ; a_1$	$C_{19}H_{15}IN_2$	....	126 ; sf. 83	Fischer	M. C., 6, 546	**48**, 1247
a- „ „ ...	„ = ?	„	....	280–286 d.	Weidel	M. C., 2, 499	**46**, 70
Dimethylbenzoylpseudo-cumidine methiodide	$(C_6HMe_3Bz.NMe_2+MeI$ =1.3.4.2.6	$C_{19}H_{24}IN$	....	187 d.	Fröhlich	B., 17, 2675	**48**, 154
Diquinoline dimethiodide ..	$C_{18}H_{12}N_2.2MeI$	$C_{20}H_{18}I_2N_2$	....	a. 290	Fischer	M. C., 5, 417	**48**, 399
„ „ ..	$(.C_9NH_6)_2=(\beta_2 ; a_1)_2$	„	....	300 d.	Roser	B., 17, 1819	**46**, 1372
Cinchine methiodide.... .	$C_{19}H_{20}N_2.MeI$	$C_{20}H_{23}IN_2$	....	186	Comstock & Königs	B., 18, 1221	**48**, 910
Nicotine sesquiiodide ..	$(C_{10}H_{14}N_2)_2I_3$	$C_{20}H_{28}I_3N_4$	....	100	Wertheim	....	**iv.**, 47
Triiodotribenzylamine	$(C_6H_4I.CH_2)_3N=(1.4)_3$	$C_{21}H_{18}I_3N$	....	114·5	Mabery & Jackson	B., 11, 57	**34**, 422
Dimethylcyanine iodide	$C_{19}N_2H_{13}Me_2I$	$C_{21}H_{19}IN_2$	....	291	Hoogewerff & Dorp	R. J., 2, 317	**48**, 674
Phenylbenzaldehydine ethio-dide	$C_6H_4(NC_7H_6)_2+EtI=1.2$	$C_{22}H_{21}IN_2$	....	211–213	Ladenburg and Engelbrecht	B., 11, 1654	**36**, 235
Tolubenzaldehydine methio-dide	$C_6H_3Me(NC_7H_6)_2+MeI=$ 1.3.4	„	....	209 d.	Ladenburg	B., 11, 594	**34**, 572
Diquinoline diethiodide	$(.C_9NH_6)_2=(\beta_2 ; a_1)_2$	$C_{22}H_{22}I_2N_2$	...	270 d.	Roser	B., 17, 1819	**46**, 1372
Dimethamidotriphenyl-methane methiodide	$Ph_2CH.C_6H_4.NMe_2+MeI$	$C_{22}H_{24}IN$	....	184–185	Fischer and Roser	B., 13, 675 ; A., 206, 115, 157	**38**, 661 ; **40**, 588
Benzenyldiisoamylphenylene-amidine triiodide	....	$C_{23}H_{21}I_3N_2$	....	111–112	....	A., 210, 363	
Tolubenzaldehydine ethio-dide	$C_6H_3Me(NC_7H_6)_2+EtI=$ 1.3.4	$C_{23}H_{23}IN_2$	....	180–181	Ladenburg	B., 11, 593	**34**, 572
Methylamarine methiodide	....	„	....	246	Claus and Elbs	B., 13, 1419	**38**, 882
Diethylcyanine iodide	$C_{19}N_2H_{13}Et_2I$	„	....	271–273	Hoogewerff & Dorp	R. T., 2, 317	**48**, 674
Tolubenzaldehydine ethio-dide + I_2	$C_6H_3Me(NC_7H_6)_2+EtI,I_2=$ 1.3.4	$C_{23}H_{23}I_3N_2$	....	123–125	Ladenburg	B., 11, 593	**34**, 572
Ethyltribenzylamine iodide	$(C_6H_5.CH_2)_3N.EtI$	$C_{23}H_{26}IN$	....	190	Vasca-Lanza	B., 7, 82	
Diamylanhydrobenzoylami-dobenzene triiodide	$C_6H_4.N(C_6H_{11})_2I.CPh:NI_2$	$C_{23}H_{31}I_3N_2$	....	111–112	Hübner and Simon	B., 10, 1720 ; B., 12, 1344	**34**, 145 ; **36**, 923
Tetramethdiamidotriphenyl-methane methiodide	$Ph.CH(C_6H_4.NMe_2)_2+MeI$	$C_{25}H_{32}I_2N_2$	....	218–222	Fischer	B., 12, 1686 ; A., 206, 127, 151	**38**, 40
„ „	„	„	cf. A., 217, 256	231 d.	Doebner	B., 13, 2228	**40**, 166
Methane triquinoïl + HI	$CH(C_9H_7NI)_3$	$C_{28}H_{22}I_3N_3$	....	65	Rhoussopoulos	B., 16, 202	**44**, 600
Quinoline iodocyanine ..	....	$C_{28}H_{35}IN_2$	....	100 d.	Nadler and Merz	J. p., 100, 129	**vi.**, 430
Tetramethdiamidopropyltri-phenylmethane methiodide	$Pr.C_6H_4.CH(C_6H_4.NMe_2)_2$ + MeI	$C_{28}H_{38}I_2N_2$	....	200	Zeigler	B., 13, 787	**38**, 640
Benzylamarine methiodide	$C_{21}H_{17}(CH_2Ph)N_2.MeI$	$C_{29}H_{27}IN_2$	....	130 u. c.	Claus & Kohlstock	B., 18, 1855	**48**, 1133
„ ethiodide	$C_{21}H_{17}(CH_2Ph)N_2.EtI$	$C_{30}H_{29}IN_2$	....	182 u. c.	„	B., 18, 1854	„

(15.) CHIP, CHIAs, and CHISb.

Tolylphosphonium iodide	$C_6H_4Me.(PH_2.HI)=1.4$	$C_7H_{10}IP$	....	340 in CO_2(?)	Michaelis & Paneck	A., 212, 235	**42**, 963
Trimethylphenylphosphon-ium iodide	NMe_3PhI	$C_9H_{14}IP$	....	205	Ananoff	A., 181, 363	
Dimethylethylphenylphos-phonium iodide	....	$C_{10}H_{16}IP$	....	137	„	A., 181, 362	
Trimethyltolylphosphonium iodide	$C_6H_4Me.(PMe_3I)=1.4$	„	....	255	Czimatis	B., 15, 2015	**44**, 57
Methyldiethylphenylphos-phonium iodide	$PMeEt_2PhI$	$C_{11}H_{18}IP$	....	95	Ananoff	B., 8, 498 ; A., 181, 358	**28**, 1204
Triethylphenylphosphonium iodide	PEt_3PhI	$C_{12}H_{20}IP$	....	115	„	„	„
Methyldiethyltolylphospho-nium iodide	$C_6H_4Me.(PEt_2MeI)=1.4$	„	....	137	Czimatis	B., 15, 2016	**44**, 58

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methyldiethylxylylphosphonium iodide	$C_6H_3Me_2.(PEt_2MeI)$	$C_{13}H_{22}IP$	....	90	Czimatis	B., 15, 2016	**44**, 58
Diphenyldimethylphosphonium iodide	PMe_2Ph_2I	$C_{14}H_{16}IP$	....	241	Michaelis and Link	A., 207, 210	**42**, 306
" "	"	"	....	245	Michaelis and Coste	B., 18, 2117	
Triethylxylylphosphonium iodide	$C_6H_3Me_2.(PEt_3I)$	$C_{14}H_{24}IP$	....	136	Czimatis	B., 15, 2016	**44**, 58
Ethylene hexethyldiphosphonium iodide	$C_2H_4 : PEt_6I_2$	$C_{14}H_{34}I_2P_2$	....	231	....	As., 1, 188	**iv.**, 622
Diphenylmethylethylphosphonium iodide	$PMeEtPh_2I$	$C_{15}H_{18}IP$	....	181	Michaelis and Link	A., 207, 212, 215	**42**, 306
Diphenyldiethylphosphonium iodide	PEt_2Ph_2I	$C_{16}H_{20}IP$	....	204	"	A., 207, 214	"
Naphthyltriethylphosphonium iodide	$PEt_3(C_{10}H_7)I$	$C_{16}H_{22}IP$	....	209	Kelbe	B., 11, 1502	**36**, 68
Triphenylphosphonium iodide	$PHPh_3I$	$C_{18}H_{16}IP$	cf. B., 15, 803	215 p. d.	Michaelis & Soden	A., 229, 334	**48**, 1134
Triphenylmethylphosphonium iodide	$PMePh_3I$	$C_{19}H_{18}IP$	....	165–166	Michaelis & Gleichmann	B., 15, 803	**42**, 1062
Triphenylethylphosphonium iodide	$PEtPh_3I$	$C_{20}H_{20}IP$	....	165	Michaelis & Soden	A., 229, 334	**48**, 1134
Triphenylpropylphosphonium iodide	$PPr^{\alpha}Ph_3I$	$C_{21}H_{22}IP$	....	201·5	"	"	**48**, 1135
Triphenylisopropylphosphonium iodide	$PPr^{\beta}Ph_3I$	"	$+2H_2O$	191	"	"	"
Triphenylisobutylphosphonium iodide	$PBu^{\beta}Ph_3I$	$C_{22}H_{24}IP$	....	176	"	"	"
Triphenylisoamylphosphonium iodide	$P(C_5H_{11})Ph_3I$	$C_{23}H_{26}IP$	....	174	"	"	"
Triphenylbenzylphosphonium iodide	$P(CH_2Ph)Ph_3I$	$C_{25}H_{22}IP$	....	253	"	"	"
Methylenehexaphenylphosphonium iodide	$CH_2(PPh_3I)_2$	$C_{37}H_{32}I_2P_2$	....	230–231 d.	Michaelis & Gleichmann	B., 15, 804	**42**, 1062
Arsenmethyldiiodide	$AsMeI_2$	CH_3I_2As	a. 200	25	Baeyer	A., 107, 285	**i.**, 401
Arsendimethyliodide (cacodyl iodide)	$AsMe_2I$	C_2H_6IAs	a. 100	b.—10	Bunsen	A., 37, 35; 92, 362	**i.**, 407
Tetramethylarsenium iodide $+AsI_3$	$AsMe_4I+AsI_3$	$C_4H_{12}I_4As_2$	170	....	Cahours	C. R., 49, 87	**i.**, 410
Arsenphenyl diiodide	$AsPhI_2$	$C_6H_5I_2As$	....	Liquid	Michaelis & Schulte	B., 14, 913; 15, 1953	**40**, 723
Phenyltrimethylarsenium iodide	$AsMe_3PhI$	$C_9H_{14}IAs$	....	244	Michaelis and Link	A., 207, 205	**42**, 306
Diiodoarsenobenzene	$C_6H_5.AsI.AsI.C_6H_5$	$C_{12}H_{10}I_2As_2$	....	crystalline	Michaelis & Schulte	B., 14, 913; 15, 1953	**40**, 723
Phenyltriethylarsenium iodide	$AsEt_3PhI$	$C_{12}H_{20}IAs$	cf. A., 201 213	112–113	Coste and Michaelis	B., 10, 622; 11, 1883	**32**, 453; **36**, 162
Diphenyldimethylarsenium iodide	$AsMe_2Ph_2I$	$C_{14}H_{16}IAs$	....	109	Michaelis and Link	A., 207, 204	**42**, 305
Diphenylethylmethylarsenium iodide	$AsMeEtPh_2I$	$C_{15}H_{18}IAs$	....	170	"	A., 207, 196	"
Diphenyldiethylarsenium iodide	$AsEt_2Ph_2I$	$C_{16}H_{20}IAs$	....	184	....	A., 201, 236	
Stibtriethyl diiodide....	$SbEt_3I_2$	$C_6H_{15}I_2Sb$	cf. A., 97, 331	70·5	Buckton	13, 116	**i.**, 342
" "	"	"	....	70·5	Löwig & Schweitzer	J., 75, 339	
Stibtritolyl "	$(C_6H_4Me)_3SbI_2=(1.4)_3$	$C_{21}H_{21}I_2Sb$	....	182·5	Michaelis & Genzken	B., 17, 925	**46**, 1130

16. CHOS.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts Dict. & J. Ch. Soc.
Thioformic acid	H.CO.SH	CH_2OS	cf. A., 91, 125	120	Limpricht	A., 97, 361	v., 778
Methylsulphonic acid	$CH_3.SO_3H$	CH_4O_3S	....	d. 130	Richter	R. K. T.	
Methylic hydrogen sulphate	$MeHSO_4$	CH_4O_4S	....	Liquid −30	Claesson	J. p. [2], 19, 240	**36**, 776
Thiacetic acid	Me.CO.SH	C_2H_4OS	95	....	....	....	v., 771
" "	"	"	*93*	....	Ulrich	J., 12, 355	
Sulphacetic acid	$HO_3S.CH_2.COOH$	$C_2H_4O_5S$	cf. A., 52, 279	*62*	Melsens	A. C. [3], 5, 392; 10, 370	v., 475
" "	"	"	....	68–70 ; 72	Carl	B., 14, 65	
Ethionic anhydride	$C_2H_4:(SO_3)_2$	$C_2H_4O_6S_2$	....	80	Magnus	P. A., 47, 509	ii., 523
Dimethyl sulphoxide	Me_2SO	C_2H_6OS	....	Solid	Saytzeff	A., 144, 148	vi., 827
" sulphone	Me_2SO_2	$C_2H_6O_2S$	238	109	"	"	vi., 827
Dimethylic sulphite	Me_2SO_3	$C_2H_6O_3S$	121·5	....	Carius	A., 110, 219	v., 556
" sulphate....	Me_2SO_4	$C_2H_6O_4S$	188	....	Dumas and Peligot	A. C. [2], 58, 32	v., 626
Ethylene disulphonic acid	$HSO_3.CH_2.CH_2.SO_3H$	$C_2H_6O_6S_2$	....	94	Huseman	A., 126, 272	v., 566
" trisulphonic acid	$HSO_3.CH_2.CH(SO_3H)_2$	$C_2H_6O_9S_3$	....	80–110 pd.	Monari	B., 18, 1346	**48**, 970
" dithiocarbonate	$C_2H_4:COS_2$	$C_3H_4OS_2$	....	31	....	A., 126, 269	
Mythylic thiacetate	....	C_3H_6OS	62–68	....	....	B. S., 25, 562	
" "	$CH_3.CO.SMe$	"	*95–96*	....	Wallach & Bleibtreu	B., 12, 1062	**36**, 786
Trimethylene oxysulphide	....	$C_3H_6OS_2$	$+\frac{1}{2}H_2O$	80	Bartoli & Papasogli	G. I., 13, 287	**46**, 170
Dimethylic dithiocarbonate....	$CO(SMe)_2$	"	169	Liquid	Schmitt and Glutz	B., 1, 169	
" xanthogenate	MeO.CS.SMe	"	167–168	....	Salomon	J. p. [2], 7, 114	**27**, 363
" "	"	"	*170–172*	....	Cahours	A. C. [3], 19, 160	v., 501
Thiolactic acid	$CH_3.CH(SH).COOH$	$C_3H_6O_2S$	....	b. 100	Schacht	A., 129, 1	iii., 462
" "	"	"	....	*141*	Böttinger	B., 9, 1062	**30**, 624
" "	"	"	....	141–142	"	A., 188, 321	**34**, 33
Methyl ethyl sulphone	$Me.SO_2.Et$	$C_3H_8O_2S$	....	36	Beckmann	J. p. [2], 17, 455	**36**, 39
Methylic ethylic sulphite	$MeEtSO_3$	$C_3H_8O_3S$	140–141·5	....	Carius	A., 111, 93	v., 556
" ethylsulphonate ...	$C_2H_5.SO_3Me$		197·5–200·5	....	....	J. [1870], 728	
Isopropylsulphonic acid	$Me_2.CH.SO_3H$	"	....	b. 100	Claus	B., 5, 660	
Thiosuccinyl	$CO.CH_2.CH_2.CO.S$	$C_4H_4O_2S$	....	31	Wesilsky	B., 2, 521	vi., 1042
Thiophene sulphinic acid	$C_4SH_3.SO_2H$	$C_4H_4O_2S_2$	....	67	Weitz	B., 17, 800	**46**, 1131
β-thiophene sulphonic acid	$C_4SH_3.SO_3H$	$C_4H_4O_3S_2$	....	Cryst.	Langer	B., 18, 554	**48**, 765
Thioglyoxylic acid	....	$C_4H_4O_5S$	....	78–82	....	A., 198, 212	
β-thiophene disulphonic acid	$C_4SH_2(SO_3H)_2$	$C_4H_4O_6S_3$	....	Cryst.	Langer	B., 18, 553	"
Sulphethylic ether	....	$C_4H_6OS_2$	....	120–123	Malaguti	A. C. [2], 70, 338	ii., 541
Thiacetic anhydride....	$(Me.CO)_2S$	$C_4H_6O_2S$	*121*	....	Kekulé	A., 90, 311	v., 772
" "	"	"	121	....	Saytzeff	Z. C. [2], 4, 642	vi., 20
Acetyl disulphide	$(Me.CO)_2S_2$	$C_4H_6O_2S_2$	....	20	Kekulé and Linnemann	A., 123, 278	v., 772
Thiodiglycollic acid	$S(CH_2.COOH)_2$	$C_4H_6O_4S$	....	126	Wisliscenus	Z. C. [1865], 621	v., 776
" "	"	"	....	*129*	Schulze	Z. C. [1865], 77	"
" "	"	"	....	129	Lovén	B., 17, 2818	
Dithiodiglycollic acid	$S_2(CH_2.COOH)_2$	$C_4H_6O_4S_2$	....	100	Claesson	B., 14, 409	**40**, 580
Sulphone diacetic acid	$SO_2(CH_2.COOH)_2$	$C_4H_6O_6S$	d. 200	182	Lovén	B., 17, 2819	**48**, 241
Ethylic thiacetate	$CH_3.CO.SEt$	C_4H_8OS	abt. 80	....	Kekulé	A., 90, 313	**28**, 259, 761 ; v., 772
" "	"	"	114–116	....	Michler	B., 7, 1313; A., 176, 182	**28**, 258, 761
" "	....	"	*115–117*	....	Wallach and Bleibtreu	B., 12, 1062	**36**, 786
" "	....	"	117	....	Saytzeff	Z. C. [2], 14, 642	vi., 20
Thiobutyric acid	$C_3H_7.CO.SH$	"	130	....	Ulrich	A., 109, 280	i., 694
Aldehyde+thioaldehyde .	$C_2H_4O+C_2H_4S$	"	35 d.	−2	Pinner	B., 4, 258	**24**, 383; vii., 37
Ethylic methylic dithiocarbonate	....	$C_4H_8OS_2$	179	....	Chancel	A. C. [3], 15, 468	v., 500
Ethylic methylic xanthogenate	MeO.CS.SEt	"	184	Liquid	Salomon	J. p. [2], 7, 115	**27**, 362
" " "	MeS.CS.OEt	"	184		"	J. p. [2], 7, 116	"
Ethylic thioglycollate	$CH_2(SH).COOEt$	$C_4H_8O_2S$	a. 155 d.	Liquid	Claesson	A., 187, 124	**32**, 595

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Xanthurin	....	$C_4H_8O_2S$	145	....	Couërbe	A., 40, 297	
Ethylic sulphonacetic acid	$EtO_2S.CH_2.COOH$	$C_4H_8O_4S$	....	Liquid	Claesson	B. S. [2], 23, 144	**29**, 568
Thiodiethylene glycol	$HO.C_2H_4.S.C_2H_4.OH$	$C_4H_{10}O_2S$	....	60	Carius	A., 124, 263	ii., 582
Diethyl sulphone	Et_2SO_2	"	*248*	*70*	Oefele	A., 127, 370	ii., 968; vi., 598
" "	"	"	....	70	Frankland and Laurance	B., 12, 845	**35**, 246
Ethylic thioethylsulphonate	$Et.SO_2.SEt$	$C_4H_{10}O_2S_2$	130–140 d.	Liquid	Otto	B., 15, 122	**42**, 832
Diethylic sulphite	$(EtO)_2SO$	$C_4H_{10}O_3S$	150–170	....	Ebelmann and Bouquet	A. C. [3], 17, 67	
" "	"	"	abt. 150	....	Ogier	C. R., 94, 446	**42**, 696
" "	"	"	160·3	....	Pierre	C. R., 27, 213	v., 554
" "	"	"	*161·3*	....	Carius	J. p. [2], 2, 285	
" "	"	"	161	....	Michaelis & Wagner	B., 7, 1074	**28**, 139
Ethylic ethylsulphonate ...	$C_2H_5.SO_2.OEt$	"	207	....	"	"	**28**, 140
" "	"	"	207·5 (746·9)	....	Carius	J. p. [2], 2, 269	
" "	"	"	*213–213·5 c.* (761)	....	Nasini	B., 15, 2884	
" "	"	"	213·4	....	Kurbatow	A., 173, 7	
Diethylic sulphate	$(EtO)_2SO_2$	$C_4H_{10}O_4S$	110–120	....	Wetherill	A., 66, 117	v., 625
" "	"	"	120·5 (45); falls 2°·5 for each (5)	s. —24·5	Villiers	C. R., 9, 1291	**38**, 797
" "	"	"	*208 p. d.*	Liquid	Claesson	J. p. [2], 19, 231; B., 12, 1720	**36**, 776; **38**, 28
β-Thiophenic aldehyde	CH:CH.S.CH:C.COH	C_5H_4OS	....	Liquid	Peter	B., 18, 537	**48**, 765
α- " acid	S.CH:CH.CH:C.COOH	$C_5H_4O_2S$	*258 c.*	*118*	Meyer and Keis	B., 16, 2174	**46**, 46
" " "	"	"	....	118	Peter	B., 18, 542	**48**, 765
" " "	"	"	....	118	Bonz	B., 18, 2309	
β- " "	CH:CH.S.CH:C.COOH	"	....	121; a.s. 123	"	B., 18, 2305	
" " "	"	"	....	125·5	"	B., 18, 2306	
" " "	"	"	....	124·5–125	Nahnsen	B., 18, 2304	
" " "	"	"	....	124·5	Peter	B., 17, 2646	**48**, 142
" " "	"	"	....	124·5	"	B., 18, 542	**48**, 765
" " "	"	"	....	126·5	"	B., 17, 2646	**48**, 51
" " "	"	"	....	126–127	Paul and Tafel	B., 18, 456	**48**, 764
" " "	"	"	*260 c.*	*129 c.*	Nahnsen	B., 17, 2194	
Propylic thiacetate	$CH_3.CO.SPr^{\alpha}$	$C_5H_{10}OS$	135–137	....	Wallach & Bleibtreu	B., 12, 1062	**36**, 786
Isopropylic "	$CH_3.CO.SPr^{\beta}$	"	124–127	....	"	"	"
Diethylic dithiocarbonate	$(EtS)_2CO$	$C_5H_{10}OS_2$	*196*	Liquid	Solomon	J. p. [2], 4, 433	**26**, 620
" "	"	"	196–197	....	Schmidt and Glutz	B., 1, 167	
" xanthogenate	EtS.CS.SEt	"	200	Liquid	Debus	A., 75, 125	v., 500
" "	"	"	*200*	....	Solomon	J. p. [2], 4, 445	**26**, 620
" "	"	"	210–212	....	Zeise	A., 55, 310	
" thiocarbonate	EtS.CO.OEt	$C_5H_{10}O_2S$	*150–156*	Liquid	Solomon	J. p. [2], 4, 436	**26**, 617
" "	"	"	156–159	....	Liebermann	A., 207, 121	**42**, 298
" "	EtO.CS.OEt	"	*161*	Liquid	Solomon	J. p. [2], 4, 441	**26**, 620
" "	"	"	162	....	Debus	A., 75, 136	
Ethylic thiolactate	$CH_3.CH(SH).COOEt$	"	150–160	....	Lovén	B., 16, 790	
β-Thienylglyoxylic acid	$C_4SH_3.CO.COOH$	$C_6H_4O_3S$	....	86; sf. 78	Peter	B., 18, 537	**48**, 764
Thiophene dicarboxylic acid	$C_4SH_2(COOH)_2$ = ?	$C_6H_4O_4S$	....	n. f. 295	Bonz	B., 18, 2307	
" " "	" =1.2.5	"	....	w. m. 350	Messinger	B., 18, 567	**48**, 767
Phenol sulphhydrate	$C_6H_4.OH.SH$ =1.2	C_6H_6OS	216–217 (750·7)	5–6	Haitinger	M. C., 4, 170	**44**, 989
Acetothienone	$C_4H_3S.CO.Me$	"	213·5 c.	l. —15	Peter	B., 17, 2644	**48**, 141
Benzene sulphinic acid	$Ph.SO_2H$	$C_6H_6O_2S$	....	*68*	Otto and Ostrop	A., 141, 365	vi., 275
" " "	"	"	....	b. 100	Kalle	A., 119, 153	v., 565
Methylthiophene carboxylic acid	CH:CMe.S.C(COOH):CH	"	sb. 120	142	Paal	B., 18, 2254	**48**, 1206

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Thiopyroracemic acid	....	$C_6H_8O_5S$	....	87 d.	Böttinger	B., 9, 404; A., 188, 325	30, 70; 34, 33
Diethylic trithiodicarbonate	$S(CS.OEt)_2$	$C_6H_{10}O_2S_3$	....	55	Welde	B., 9, 1045; J. p. [2], 15, 45	30, 624; 32, 315
„ dioxytetrathiocarbonate	$O_2(CS_2Et)_2$ (?)	$C_6H_{10}O_2S_4$	....	28	....	A., 72, 5; 82, 253	
„ thioxalate	COOEt.CO.SEt	$C_6H_{10}O_3S$	211 u.c.; 217 c.	....	Morley and Saint	43, 401	
Thiodilactic acid	$S(C_2H_4.COOH)_2$	$C_6H_{10}O_4S$	....	125	Lovén	B., 16, 790	
Sulphone dipropionic acid	$SO_2(CHMe.COOH)_2$	$C_6H_{10}O_6S$	....	155–156	„	B., 17, 2822	48, 241
Isobutylic thiacetate	$CH_3.CO.SBu^\beta$	$C_6H_{12}OS$	148–150	....	Wallach & Bleibtreu	B., 12, 1062	36, 786
Isoamylic xanthogenate	$C_5H_{11}S.CO.SH$	$C_6H_{12}OS_2$	187	Liquid	Johnson	5, 142	i., 206
Duplothiacetone	....	„	183–188 c.	....	Wislicenus	Z. C. [2], 5, 534	vii., 12
?	....	„	....	43–56	....	J. [1866], 422	
?	....	„	....	45–60	....	B. S., 38, 129	
Ethylic ethylthioglygollate....	$EtS.CH_2.COOEt$	$C_6H_{12}O_2S$	187–189	Liquid	Claesson	B., 8, 121	29, 567
?	$+H_2O$	$C_6H_{12}O_2S_4$	180–185	80–82	....	A. C. [5], 17, 307	
Dipropyl sulphone	$(CH_3.CH_2.CH_2)_2SO_2$	$C_6H_{14}O_2S$	....	29–30	Spring & Winssinger	B., 16, 329	
Di-β-isopropyl sulphone	$(Me_2CH)_2.SO_2$	„	....	36	Beckmann	J. p. [2], 17, 459	36, 38
Ethylene diethyl „	$C_2H_4 : SO_2Et_2$	„	....	136·5	„	J. p. [2], 17, 469	36, 39
„ „ sulphoxide	$C_2H_4(SOEt)_2$	$C_6H_{14}O_2S_2$	...	170	Ewerlof	B., 4, 717	24, 1189
Glyceric sulphaldehyde	$(C_3H_6S_2O)_2H_2O$.	$C_6H_{14}O_3S_4$	180–185	sf. 80–82	Renard	C. R., 82, 562; A. C. [5], 16, 289	30, 64; 38, 25
α-Thiobenzoic acid	$C_6H_5.COSH$	C_7H_6OS	....	24	Engelhardt, Latschinoff, and Malyscheff	Z. C. [2], 4, 353	vi., 324
Hydrothiobenzoic acid	$C_6H_4.SH.COOH = 1.3$	$C_7H_6O_2S$	....	146–147	Frerichs	B., 7, 793	27, 990
Sulphobenzoic acid	$C_6H_4(SO_3H)(CO_2H) = 1.3$	$C_7H_6O_5S$	....	80	Kämmerer & Carius	A., 131, 156	vi., 323
„ „	„ $= 1.4$	„	....	*abt. 200* d.	Remsen	Z. C. [2], 7, 297; A., 178, 275	24, 1053; 29, 258
„ „	„ „	„	....	abt. 200	Wiesinger & Vollbrecht	B., 10, 1715	
„ „	„ $= 1.2$	„	....	240 d.	Fahlberg & Remsen	B., 12, 473	
Sulphosalicylic acid	$COOH.OH.SO_3H = 1.2.?$	$C_7H_6O_6S$	....	120	Mendius	A., 103, 39	v., 525
Sulphohydroxybenzoic acid....	„ $= 1.3.?$	„	....	208	Senhofer	A., 152, 102	vi., 890
Disulphobenzoic acid	$COOH.(SO_3H)_2 = 1.2.4$	$C_7H_6O_8S_2$	....	a. 285	Fahlberg	A. C. J., 2, 188	40, 818
Methylphenyl sulphone	$C_6H_5.SO_2.Me$	$C_7H_8O_2S$	....	*88*	Michael & Palmer	A. C. J., 6, 253	48, 536
„ „	„	„	....	88–89	Otto	B., 18, 156	48, 536
Toluene sulphinic acid	$C_6H_4Me.SO_2H = 1.4$	„	....	84	Otto & Damköhler	J. p. [2], 30, 321	48, 538
„ „ „	„ „	„	....	85	Otto	B., 15, 131	
„ „ „	„ „	„	....	85	Otto and Rössing	B., 18, 2505	
„ „ „	„ „	„	....	*85*	Otto	Z. C. [1866], 655	v., 861
Ethylic β-thiophenate	CH : CH.S.CH : C.COOEt	„	218 c.	Liquid	Nahnsen	B., 17, 2195	48, 52
„ thiocarbacetacetate....	S : C : CAc.COOEt	$C_7H_8O_3S$	sf. 152	156–162	Norton and Oppenheim	B., 10, 703	
Toluene sulphonic acid	$C_6H_4Me.SO_3H = 1.2$	„	....	91–92	Hübner and Müller	Z. C., 14, 299	24, 1055
Cresol sulphonic acid	$Me.OH.SO_3H = 1.2.4$	$C_7H_8O_4S$	....	80–81		J. [1879], 758	
„ „ „	„ $= 1.4.6$	„	anhydrous $+5H_2O$	187–188; 98·5	Jenssen	A., 172, 237; B., 7, 57	27, 480; 28, 77; vii., 932
Toluene trisulphonic acid ...	$Me.(SO_3H) = ?$	$C_7H_8O_9S_3$	$+6H_2O$	145	Claesson	B., 14, 308	40, 429
?	....	$C_7H_{12}O_3S_2$	165	....	Cech and Steiner	C. R., 81, 155	28, 1255
Isobutylic ethylic xanthogenate	$EtS.CS.OBu^\beta$	$C_7H_{14}OS_2$	227–228	....	Mylius	B., 5, 975	26, 266
Ethylic isobutylic thiocarbonate	$Bu^\beta S.CO.OEt$	$C_7H_{14}O_2S$	190 193	....	„	B., 6, 313	26, 872
Isobutylic ethylic thiocarbonate	$EtS.CO.OBu^\beta$	„	190–195	....	„	„	„
Isoamylethyl sulphoxide	$Et(C_5H_{11})SO$	$C_7H_{16}OS$	....	s. −16	Saytzeff	A., 139, 354	vi., 123, 599
β-isoamyl ethyl sulphone	$(Me_2CH.CH_2CH_2).SO_2.Et$	$C_7H_{16}O_2S$	270	13·5	Beckmann	J. p. [2], 17, 450	36, 38
Ethylic amylic sulphite	$Et(C_5H_{11})SO_3$	$C_7H_{16}O_3S$	210–225 p. d.	....	Carius	A., 106, 291	v., 555
Thiophthalic anhydride	$C_6H_4.CO.OCS = 1.2$	$C_8H_4O_2S$	284	114	Græbe & Zschokke	B., 17, 1176	46, 1025
Isophthalosulphonic acid	$(COOH)_2.SO_3H = 1.3.4$	$C_8H_6O_7S$	....	235–240	Jacobsen & Tönnies	B., 13, 1556	40, 50

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Isophthalosulphonic acid	$(COOH)_2.SO_3H$=1.3.4	$C_8H_6O_7S$	....	*243–244*	Coale and Remsen	A. C. J., 3, 204	**40**, 1038
" "	" =1.3.5	"	....	257 d.	Tönnies	B., 13, 704	**40**, 50
Thiophenol acetate	C_6H_5.SAc	C_8H_8OS	218–220 u.c.; 227–229 c.	....	Michler	B., 7, 1312	**28**, 258
" "	"	"	*228–230 c.*	Liquid	"	A., 176, 177	**28**, 761
Phenyl thioglycollic acid	PhS.CH_2.COOH	$C_8H_8O_2S$	....	*43·5*	Claesson	B. S. [2], 23, 441	**29**, 567
" " "	"	"	....	61–62	Gabriel	B., 12, 1639	
" sulphinacetic acid	Ph.SO.CH_2.COOH	$C_8H_8O_3S$	....	74	Claesson	B. S. [2], 23, 446	**29**, 568
" sulphonacetic acid	Ph.SO_2.CH_2.COOH	$C_8H_8O_4S$	....	*109*	"	"	"
" " "	"	"	....	110–111	Gabriel	B., 14, 834	**40**, 716
Dimethylic thiophene dicarboxylate	$C_4SH_2(COOMe)_2$=1.2.5	"	....	142; sf. 137	Messinger	B., 18, 567	**48**, 767
" " "	" "	"	....	*145*	"	B., 18, 1639	**48**, 1052
" " "	" = ?	"	....	145·5	Bonz	B., 18, 2307	
Sulphotoluic acid	COOH.Me.SO_3H=1.4.2	$C_8H_8O_5S$	cf. A., 172, 328	190	Fittica	B., 6, 942	**26**, 1228
" "	" =1.4.?	"	....	d. w. m., 185–190	Fischli	B., 12, 617	**36**, 639
Acetothioxylene	C_4SHMe_2Ac=1.2.5.3	$C_8H_{10}OS$	223–224 c.	Liquid	Messinger	B., 18, 2301	**48**, 1205
Phenyl ethyl sulphone	Ph.SO_2.Et	$C_8H_{10}O_2S$	....	41–42	Otto	B., 18, 161	**48**, 537
" " "	"	"	....	42	Beckmann	J. p. [2], 17, 457	**36**, 39
" " "	"	"	a. 300	*41–42*	Otto	B., 13, 1274	**38**, 810
Methyltolylsulphone	$C_6H_4Me.(SO_2.Me)$=1.4	"	....	86–87	"	B., 18, 161	**48**, 537
Xylene sulphinic acid	$Me_2.SO_2H$=1.3.4	"	mixture ?	42–50	Jacobsen	B., 10, 1011	
" " "	" =1.2.4	"	....	83	"	"	**32**, 601
" " "	" =1.4.5	"	....	84–85	"	B., 11, 22	**34**, 411
" sulphonic acid	$Me_2.SO_3H$=1.3.4	$C_8H_{10}O_3S$	....	53	Limpricht	B., 18, 2188	
Diethylic dithiosuccinate	$(.CH_2.COSEt)_2$	$C_8H_{14}O_2S_2$	270–271	Liquid	Seifert	J. p. [2], 31, 462	**48**, 1057
Ethylene ethyl xanthate	$C_2H_4(S.CS.OEt)_2$	$C_8H_{14}O_2S_4$	....	42	Welde	B., 9, 1047; J. p. [2], 15, 55	**30**, 624; **32**, 137
Diethylic thiodiglycollate	....	$C_8H_{14}O_4S$	240–250	....	Schulze	Z. C. [1865], 78	
" " ...	....	"	*267–268 c.*	....	Wislicenus	Z. C. [1865], 261	v., 777
" dithioglycollate	$(.S.CH_2.COOEt)_2$	$C_8H_{14}O_4S_2$	280 d.	Liquid	Claesson	B., 14, 411	**40**, 581
Sulphone dibutyric acid	$SO_2(CHEt.COOH)_2$	$C_8H_{14}O_6S$	....	152	Lovén	B., 17, 2824	**48**, 241
" diisobutyric acid	$SO_2(CMe_2.COOH)_2$	"	....	188	"	B., 17, 2825	"
Dibutyl oxysulphide.... ...	$(Me.CH_2.CH_2.CH_2)_2SO$	$C_8H_{18}OS$	cf. B., 7, 1650	32	Grabowsky	A., 175, 349	**28**, 629, 1175
Diisobutyl oxysulphide	$(Me_2CH.CH_2)_2SO$	"	....	*41*	Saytzeff and Grabowsky	A., 171, 257	**27**, 565
" " ...	"	"	....	68·5	Beckmann	J. p. [2], 17, 439	**36**, 37
" sulphone	$(Me_2CH.CH_2)_2SO_2$	$C_8H_{18}O_2S$	265	17	"	J. p. [2], 17, 448	**36**, 38
Dibutyl sulphone	$(Me.CH_2.CH_2.CH_2)_2SO_2$	"	cf. B., 7, 1650	43·5	Grabowsky	A., 175, 350	**28**, 629, 1175
Thiocinnamic acid	Ph.CH⁚CH.COSH	C_9H_8OS	250 p.d.	....	Engelhardt, Latschinoff, & Malyscheff	Z. C. [2], 4, 359	vi., 470
Sulphocinnamic acid.... ...	$(SO_3H)(CH⁚CH.COOH)$ =1.4	$C_9H_8O_5S$	$+5H_2O$	100	Rudneu	A., 173, 12	**28**, 76
Ethylic thiobenzoate	Ph.CO.SEt	$C_9H_{10}OS$	242–243	Liquid	Engelhardt, Latschinoff, & Malyscheff	Z. C. [2], 4, 356	vi., 325
Benzylthioglycollic acid	Ph.CH_2.S.CH_2.COOH	$C_9H_{10}O_2S$	....	58–59	Gabriel	B., 12, 1641	**38**, 34
Sulphotolylene ethylene	....	"	....	75–76	Otto	A., 143, 205; Z. C. [1866], 655	v., 861; vi., 1060
a-Hydroxy *a*-thiophenylpropionic acid	PhS.CMe(OH).COOH	$C_9H_{10}O_3S$	v. 100	87	Baumann	B., 18, 263	**48**, 514
Toluene sulphonacetic acid	$Me.(SO_2.CH_2.COOH)$=1.4	$C_9H_{10}O_4S$	....	*117–118·5*	Gabriel	B., 14, 834	**40**, 716
" " "	" "	"	....	117–119	Otto	B., 18, 161	**48**, 537
Phenylpropyl sulphone	Ph.SO_2.Pr[a]	$C_9H_{12}O_2S$	....	45	Michael & Palmer	A. C. J., 7, 65	**48**, 986
Tolylethyl sulphone.... ...	$CH_3.C_6H_4.SO_2.Et$=1.4	"	....	55–56	Otto	B., 18, 161	**48**, 537
" "	" "	"	....	56	"	B., 13, 1276	**38**, 811
Mesitylene sulphinic acid	$Me_3.SO_2H$=1.3.5.6	"	....	98–99	Holtmayer	Z. C. [1867], 687	vi., 301
Pseudocumene sulphinic acid	" =1.3.4.6	"	....	98	Rudloff	B., 11, 32	**34**, 414
Hydroxyethylene tolyl sulphone	$HO.C_2H_4.SO_2.C_6H_4Me$=1.4	$C_9H_{12}O_3S$	....	54	Otto & Damköhler	J. p. [2], 30, 321	**48**, 538
Ethylic toluene sulphonate ...	$C_6H_4Me.SO_3Et$	"	....	32	....	....	v., 860
Mesitylene sulphonic acid ...	$Me_3.SO_3H$=1.3.5.6	"	$+2H_2O$	77	Rose	Z. C. [2], 6, 341	vii., 787

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Mesitylene sulphonic acid ...	$Me_3.SO_3H$=1.3.5.6	$C_9H_{12}O_3S$	....	*abt. 100*	Jacobsen	A., 145, 85	**vii.**, 787
Sulphocamphoric acid	....	$C_9H_{16}O_6S$	....	160–165	Walter	A. C. [3], 9, 177	**v.**, 490
Diisobutylic xanthate	$Bu^{\beta}O.CS.SBu^{\beta}$	$C_9H_{18}OS_2$	247–250	....	Mylius	B., 5, 975	**26**, 266
Ethylic isoamylthioglycollate	$C_5H_{11}S.CH_2.COOEt$	$C_9H_{18}O_2S$	230	cf. B., 8, 122	Claesson	B. S., 23, 446	**29**, 568
α-Naphthalene sulphinic acid	$C_{10}H_7.SO_2H$	$C_{10}H_8O_2S$	....	High temp.	Gessner	B., 9, 1500	**31**, 315
β- " sulphonic acid	"	"	....	105	"	B., 9, 1502	**31**, 316
α- " " "	$C_{10}H_7.SO_3H$	$C_{10}H_8O_3S$	....	85–90	....	....	**v.**, 560
α-Naphthol sulphonic acid	$C_{10}H_6(OH).SO_3H$	$C_{10}H_8O_4S$	....	d. 100	Schäffer	B., 2, 93	
α- " " "	"	"	....	*101 d.*	"	A., 153, 293	**vi.**, 860
α- " " "	"	"	....	101	Clève	B. S. [2], 26, 241	**31**, 208
β- " " "	"	"	....	122	Ebert and Merz	B., 9, 611	**30**, 410
β- " " "	"	"	cf. 39, 135	*125*	Schäffer	A., 153, 296	**vi.**, 860
Phenylene dithiacetic acid	$C_6H_4(S.CH_2.COOH)_2$=1.3	$C_{10}H_{10}O_4S_2$	....	127	Gabriel	B., 12, 1639	**38**, 33
Trimethylic thiophentricarboxylate	$C_4SH(COOMe)_3$=1.2.3.?	$C_{10}H_{10}O_6S$	....	118	Messinger	B., 18, 2303	**48**, 1205
Ethylic phenylthioglycollic acid ·	$PhS.CH_2.COOEt$	$C_{10}H_{12}O_2S$	275–285	....	Claesson	B. S. [2], 23, 441	**29**, 567
" " "	"	"	*276–278 p.d.*	....	"	"	
Ethylic methylthiosalicylate	$C_6H_4.OMe.COSEt$=1.2	"	197–198 (80)	Liquid	Seifert	J. p. [2], 31, 462	**48**, 1058
Phenylsulphonethylic acetate	$Ph.SO_2.C_2H_4.OAc$	$C_{10}H_{12}O_4S$	....	l. −12	Otto & Damköhler	J. p. [2], 30, 171	**48**, 262
Ethylic phenylsulphonacetate	$Ph.SO_2.CH_2.COOEt$	"	....	45	Michael & Comey	A. C. J., 5, 116	**46**, 319
Diethylic thiophendicarboxylate	$C_4SH_2(COOEt)_2$=1.2.5	"	....	46	Messinger	B., 18, 1639	**48**, 1052
α-Cymene sulphonic acid	$Me.Pr^{\alpha}.SO_3H$=1.4.2	$C_{10}H_{14}O_3S$	....	50–51	Spica	B., 14, 654	**40**, 602
α- " " "	" =1.4.3	"	....	86–87	"	B., 14, 635	"
?- " " "	$Me.Pr.SO_3H$=1.3.?	"	....	86–87	"	B., 16, 792	
β- " " "	$Me.Pr^{\beta}.SO_3H$=1.3.?	"	....	88–90	Kelbe	A., 210, 26, 31	**42**, 300
α- " " " ...	$Me.Pr^{\alpha}.SO_3H$=1.4.3	"	....	130–131 u. c.	Claus	B., 14, 2143	**42**, 196; **44**, 320
α " " "	" =1 4.2	"	....	177	Fittica	B., 7, 1361	**28**, 266
α- " " "	" "	"	....	220	Claus	B., 14, 2143	
α- " " " ...	" "	"	$+2H_2O$	78–79	"	"	
" " "	$Me.Pr^{\beta}.SO_3H$=1.4.2	"	....	270	Fittica	....	**40**, 602
Isodurene sulphonic acid ...	$Me_4.SO_3H$=1.2.3.5.6	"	$+xH_2O$	100	Bielefeldt	A., 198, 381	**38**, 37
Thianissic acid	....	$C_{10}H_{14}O_4S$	$+2H_2O$	b. 200	Städler & Wächter	A., 116, 163	**v.**, 774
Isobutylic isoamylic xanthate	$Bu^{\beta}O.CS.SC_5H_{11}$	$C_{10}H_{20}OS_2$	265–270 p. d.	c. f. B., 5, 975	Mylius	B. S., 19, 221	**26**, 266
Diisoamyl sulphoxide	$(C_5H_{11})_2SO$	$C_{10}H_{22}OS$	....	37–38	Satyzeff	A., 139, 355	**vi.**, 116
" sulphone	$(Me_2CH.CH_2.CH_2)_2SO_2$	$C_{10}H_{22}O_2S$	295 p. d.	31	Beckmann	J. p. [2], 17, 441	**36**, 38
Diamylic sulphite	$(C_5H_{11})_2SO_3$	$C_{10}H_{22}O_3S$	230–250	....	Carius	A., 106, 291	**v.**, 553
Phenyl thienyl ketone	$Ph.CO.C_4H_3S$	$C_{11}H_8OS$	abt. 300	55	Comey	B., 17, 791	**46**, 1168
γ-Sulphonaphthoic acid	$SO_3H.COOH$=βα ;	$C_{11}H_8O_5S$	....	182–185	Strumpf	A., 188, 7	**34**, 74
β- " "	" =βα ;	"	....	218–222 d.	"	A., 188, 5	"
δ- " "	" =αβ ;	"	....	229–230 d.	"	A., 188, 10	"
α- " "	" =αα ;	"	....	230–240	Battershall	A., 168, 114 ; Z.C. [2], 7, 673	**vii.**, 838 ; **25**, 699
α- " "	" "	"	....	*235*	Strumpf	A., 188, 3	**34**, 74
Ethylic thiocinnamate	$Ph.CH:CH.COSEt$	$C_{11}H_{12}OS$	250 d.	....	....	Z.C. [1868], 359	
Toluene dithiacetic acid	$Me.C_6H_3(S.CH_2COOH)_2$	$C_{11}H_{12}O_4S_2$	....	151–151·5	Gabriel	B., 12, 1640	**38**, 33
Ethylic benzylthioglycollate	$Ph.CH_2.S.CH_2.COOEt$	$C_{11}H_{14}O_2S$	275–290	....	"	B., 12, 1641	**38**, 34
Diethylic sulphosalicylate	$OH.COOEt.SO_3Et$=1.2.?	$C_{11}H_{14}O_6S$	....	56	Mendius	A., 103, 62	**v.**, 526
Isobutyltoluene sulphonic acid	$Me.Bu^{\beta}.SO_3H$=1.3.?	$C_{11}H_{16}O_3S$	....	75–76	Kelbe and Baur	B., 16, 2559	**46**, 300
Diisoamylic dithiocarbonate	$CO(S.C_5H_{11})_2$	$C_{11}H_{22}OS_2$	281	Liquid	Schmidt and Glutz	B., 1, 169	
Diphenylene sulphone	$C_6H_4.SO_2.C_6H_4$ (ring)	$C_{12}H_8O_2S$	....	230	....	A., 156, 334 ; 174, 188	
Diphenylene disulphone	$C_6H_4:(SO_2)_2:C_6H_4$	$C_{12}H_8O_4S_2$	....	a. 300	Græbe	A., 179, 182	**29**, 579
Phenyl sulphone	$Ph.SO_2.Ph$	$C_{12}H_{10}O_2S$	....	100	Mitscherlich	P. A., 31, 628	**v.**, 486
" "	"	"	....	124	Beckhurts and Otto	B., 11, 2067	**36**, 242
" "	"	"	....	126	Stenhouse	P. R. S., 14, 351	**v.**, 489
" "	"	"	....	125–126	Knapp	Z. C. [2], 5, 41	**vi.**, 276
" "	"	"	....	128	Freund	A., 120, 81	**v.**, 486
" "	"	"	....	*128–129*	Otto	A., 135, 154	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Isophenyl sulphone	....	$C_{12}H_{10}O_2S$	....	230	Stenhouse	P. R. S., 18, 543	vi., 277; vii., 941
Diphenyl sulphinic acid	$C_6H_5.C_6H_4.SO_2H$	"	....	d. 70	Gabriel & Deutsch	B., 13, 388	38, 477
Phenol sulphide	$S(C_6H_4.OH)_2$	"	....	143–144	Krafft	B., 7, 1165	28, 154
Phenylic thiobenzene sulphonate	$Ph.SO_2.SPh$	$C_{12}H_{10}O_2S_2$	....	36	Otto	A., 145, 318	vi., 919
" " "	"	"	....	*45*	Pauly and Otto	B., 9, 1640	31, 463
" " "	"	"	....	45	Otto and Rössing	B., 18, 2500	
Diphenol disulphide	$S_2(C_6H_4.OH)_2=(1.2)_2$	"	a. 200 d.	Liquid	Haitinger	M. C., 4, 166	44, 988
Phenylic phenylsulphonate....	$C_6H_5.SO_3Ph$	$C_{12}H_{10}O_3S$	....	35	Schiáparelli	G. I., 11, 65	40, 602
Oxysulphobenzide	$SO_2(C_6H_4.OH)_2$	$C_{12}H_{10}O_4S$	....	293 or 239	Annaheim	A., 172, 28	27, 796
Diphenyl disulphonic acid	$(.C_6H_4.SO_3H)_2$	$C_{12}H_{10}O_6S_2$	....	72·5	Fittig	A., 132, 209	v., 565
Benzyl sulphone	$(C_6H_5.CH_2)_2SO_2$	$C_{12}H_{14}O_2S$	....	150	Vogt & Henninger	A. C. [4], 25, 129	25, 1097
Ethylic thioisophthalate ...	$C_6H_4(COSEt)_2=1.3$	$C_{12}H_{14}O_2S_2$	....	easily	Luckenbach	B., 17, 1428	46, 1158
Isoamylic thiobenzoate	$Ph.COSC_5H_{11}$	$C_{12}H_{16}OS$	271 p. d.	Liquid	Engelhardt, Latschinoff, and Malyscheff	Z. C. [2], 4, 356	vi., 325
Ethylic ethylphenylsulphonacetate	$Ph.SO_2.CHEt.COOEt$	$C_{12}H_{16}O_4S$	....	62	Michael & Palmer	A. C. J., 7, 65	48, 986
Toluylene amylene disulphone	$C_6H_{10}:(SO_2)_2:C_6H_3Me$	$C_{12}H_{16}O_4S_2$	....	35-36	Otto	A., 143, 223,	vi., 1060
?	...	$C_{12}H_{16}O_5S_2$	....	78–79	"	A., 143, 224	"
Dipropylbenzene sulphonic acid	$Pr^a_2.SO_3H=1.4.5$	$C_{12}H_{18}O_3S$	....	62	Körner	B., 11, 1864	36, 142
Ethylic acetoacetate sulphide	$S(CHAc.COOEt)_2$	$C_{12}H_{18}O_6S$	....	80–81	Buchka	B., 18, 2092	48, 1200
Diisoamyldisulphocarbonic sulphide	$(C_5H_{11}O)_2CS_4$	$C_{12}H_{22}O_2S_4$	187	....	Johnson	5, 142	v., 496
Ethylene diisoamyl sulphone	$C_2H_4(S.OC_5H_{11})_2$	$C_{12}H_{26}O_2S_2$	....	145–150	Ewerlof	B., 4, 717	24, 1189
Benzophenone sulphone	$C_6H_4.CO.C_6H_4.SO_2$	$C_{13}H_8O_3S$	....	174–175	Beckmann	B., 8, 992	29, 583
" "	"	"	...	186–187	"	B., 6, 1112	27, 157
Phenylic thiobenzoate	$C_6H_5.COSPh$	$C_{13}H_{10}OS$	....	56	Schiller and Otto	B., 9, 1634	31, 468
Sulphobenzid carbonic acid....	$Ph.SO_2.C_6H_4.COOH=1.4$	$C_{13}H_{10}O_4S$	....	a. 300	Michael and Adair	B., 11, 119	34, 415
Phenyl tolylsulphone	$C_6H_4Me.(SO_2.Ph)=1.4$	$C_{13}H_{12}O_2S$	....	*124·5*	"	B., 11, 116	"
" "	" "	"	....	124–125	Beckurts and Otto	E., 11, 2068	36, 243
Diphenylmethane disulphonic acid	$C_{13}H_{10}(SO_3H)_2$	$C_{13}H_{12}O_6S_2$	....	59	Doer	B., 5, 796	26, 170
Ethylic allylphenylsulphonacetate	$Ph.SO_2.CH(C_3H_6).COOEt$	$C_{13}H_{16}O_4S$	....	64·5	Michael & Palmer	A. C. J., 7, 65	48, 986
Erythrohydroxyanthraquinone sulphonic anhydride	$C_6H_4:(CO)_2:C_6H_2.SO_2.O$	$C_{14}H_6O_5S$	....	d. b. 100	Lifschutz	B., 17, 900	46, 1189
Thiobenzoic anhydride	$(Ph.CO)_2S$	$C_{14}H_{10}O_2S$	....	48	Engelhardt, Latschinoff, & Malyscheff	Z. C. [2], 4, 357	vi., 325
Benzoyl disulphide	$(Ph.CO)_2S_2$	$C_{14}H_{10}O_2S_2$	...	120	Cloez	A., 115, 27	v., 775
" "	"	"	....	*128*	Engelhardt, Latschinoff, & Malyscheff	Z. C [2], 4, 358	vi., 326
Dithiohydroxybenzoic acid....	$S_2(C_6H_4.COOH)_2=(1.3)_2$	$C_{14}H_{10}O_4S_2$	....	242-244	Frerichs	B., 7, 794	27, 990
" "	" "	"	....	*242–244*	Hübner and Lippmann	Z. C., 1870, 294	vii., 1115, 1155
" "	" "	"	....	242	Griess	J. p. [2], 1, 103	vii., 168
Sulphobenzid-dicarbonic acid	$SO_2(C_6H_4COOH)_2=(1.4)_2$	$C_{14}H_{10}O_6S$	....	a. 300	Michael and Adair	B., 11, 121	34, 415
Benzylic thiobenzoate	$C_6H_5.COS.CH_2Ph$	$C_{14}H_{12}OS$	....	39·5	Richter	R. K. T.	
Tolylic thiobenzoate....	$C_6H_5.COS.C_6H_4Me=1.4$	"	....	75	Schiller and Otto	B., 9, 1636	31, 469
Diphenyl sulphacetic acid	$Ph.C_6H_4.S.CH_2.COOH$	$C_{14}H_{12}O_2S$	....	169–170	Gabriel & Deutsch	B., 13, 389	38, 477
Phenylmercaptane-benzoylformic acid	$PhS.CPh(OH).COOH$	$C_{14}H_{12}O_3S$	....	68·5	Baumann	B., 18, 891	48, 749
Benzyl oxysulphide	$(Ph.CH_2)_2OS$	$C_{14}H_{14}OS$	....	*130*	Märcker	A., 136, 90	v., 859
" "	"	"	....	133	Otto and Lüders	B., 13, 1284	38, 811
Benzyl sulphone	$(Ph.CH_2)_2SO_2$	$C_{14}H_{14}O_2S$	....	150	"	B., 13, 1277, 1284	"
" "	"	"	....	150	Vogt & Henninger	A. C. [4], 25, 129	vii., 185
Benzyltolyl sulphone	$Ph.CH_2.SO_2.C_6H_4Me=1.4$	"	....	144–145	Otto	B., 13, 1278	38, 811

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tolyl sulphone	$(C_6H_4Me)_2SO_2=(1.4)_2$	$C_{14}H_{14}O_2S$	....	155–156	Otto and Grubert	A., 154, 193 ; Z. C. [2], 6, 33	vi., 289 ; vii., 185, 1125
" "	" "	"	....	158	Beckurts and Otto	B., 11, 2068	
" "	" "	"	404·5–405·2 (714)	*158*	Otto	B., 12, 1177	36, 926
Phenylxylyl sulphone	$Ph.SO_2.C_6H_3Me_2$	"	....	80	Beckurts and Otto	B., 11, 2069	36, 243
Toluene disulphoxide	$C_6H_4Me.SO_2.S.C_6H_4Me =(1.4)_2$	$C_{14}H_{14}O_2S_2$	....	74	Märcker	A., 136, 83	v., 859
" "	" "	"	....	74–75	Otto and Rössing	B., 18, 2505	48, 1232
" "	" "	"	....	74–76	Otto	B., 15, 131	
" "	" "	"	....	*76*	Otto, Löwenthal and Grubert	Z. C. [2], 4, 623	vi., 289
Dimethoxyphenyl disulphide	$S_2(C_6H_4.OMe)_2=(1.2)_2$	"	....	119 c.	Haitinger	M. C., 4, 168	44, 988
Ethylic diphenylsulphonate	$C_6H_5.C_6H_4.SO_3Et$	$C_{14}H_{14}O_3S$	....	73–74	Gabriel & Deutsch	B., 13, 388	38, 477
Methyl oxysulphobenzide	$SO_2(C_6H_4.OMe)_2$	$C_{14}H_{14}O_4S$	....	130	Annaheim	A., 172, 45	27, 796
Ethylene diphenylsulphone....	$C_2H_4(SO_2.Ph)_2$	$C_{14}H_{14}O_4S_2$	....	179·5–180	Otto	B., 13, 1280	38, 811
" "	"	"	....	179·5–180	Otto and Damköhler	J. p. [2], 30, 171	48, 262
Benzyltoluene disulphonic acid	fr. $Ph.CH_2.C_6H_4Me=1.4$	$C_{14}H_{14}O_6S_2$	....	38	Zincke	B., 5, 685	25, 1005 ; vii., 183
Phenylcoumarin sulphonic acid	$C_{15}H_9O_2.SO_3H$	$C_{15}H_{10}O_5S$	$+2\frac{1}{2}H_2O$	262 d.	Curatolo	G. I., 14, 257	48, 539
Phenylcoumarin disulphonic acid	$C_{15}H_8O_2(SO_3H)_2$	$C_{15}H_{10}O_8S_2$	$+6H_2O$	18	"	"	"
α-Dithiophenyl propionic acid	$(PhS)_2CMe.COOH$	$C_{15}H_{14}O_2S_2$	....	113–114	Baumann	B., 18, 65	48, 514
Phenylsulphonethyl benzoate	$Ph.SO_2.C_2H_4.OBz$	$C_{15}H_{14}O_4S$	....	124–125	Otto & Damköhler	J. p. [2], 30, 171	48, 262
Ethylene phenyltolylsulphone	$Ph.SO_2.C_2H_4.SO_2.C_6H_4Me =1.4$	$C_{15}H_{16}O_4S_2$	....	162	"	"	42, 263
Atronine sulphone	....	$C_{16}H_{10}O_2S$	....	193	Fittig	A., 206, 63	40, 427
α-Naphthyl phenyl sulphone	$C_{10}H_7.SO_2.Ph$	$C_{16}H_{12}O_2S$	....	99·5–100·5	Michael and Adair	B., 10, 585	32, 613
β- " " "	"	"	....	*115–116 u.c.*	"	B., 10, 587	"
" " " "	"	"	....	121	Chrustschoff	B., 7, 1167	28, 162
Atronylene sulphonic acid	$C_{16}H_{11}.SO_3H$	$C_{16}H_{12}O_3S$	....	258 p.d.	Fittig	A., 206, 61 ; B., 12, 1739	38, 120 ; 40, 427
Atronol " "	$C_{16}H_{13}.SO_3H$	$C_{16}H_{14}O_3S$	....	130–131 p.d.	"	A., 206, 52	40, 427
Diphenyldisulphacetic acid	$(C_6H_4.S.CH_2.COOH)_2$	$C_{16}H_{14}O_4S_2$	....	252	Gabriel & Deutsch	B., 13, 390	38, 477
Tolylsulphonethylic benzoate	$BzO.C_2H_4.SO_2.C_6H_4Me=1.4$	$C_{16}H_{16}O_4S$	....	175	Otto & Damköhler	J. p. [2], 30, 321	48, 538
Ethyl oxysulphobenzide	$SO_2(C_6H_4.OEt)_2$	$C_{16}H_{18}O_4S$	....	159	Annaheim	J. p. [2], 1, 14; 2, 385; A., 172, 52	vii., 886 ; 27, 797
Ethylene ditolyl sulphone	$C_2H_4(SO_2.C_6H_4Me)_2=(1.4)_2$	$C_{16}H_{18}O_4S_2$	....	200	Otto & Damköhler	J. p. [2], 30, 321	48, 537
Diphenylsulphonethyl sulphide	$S(C_2H_4.SO_2.Ph)_2$	$C_{16}H_{18}O_4S_3$	....	123	"	"	"
" oxide....	$O(C_2H_4.SO_2.Ph)_2$	$C_{16}H_{18}O_5S_2$	....	69–70	"	J. p. [2], 30, 171	48, 263
" "	....	"	....	88	"	J. p. [2], 30, 321	48, 537
Sulphocetenic acid	....	$C_{16}H_{32}O_3S$	....	18	Lasarenko	B., 7, 125	
Ethylic benzylphenyl sulphon acetate	$PhSO_2.CH(CH_2Ph).COOEt$	$C_{17}H_{18}O_4S$	....	95–96	Michael & Comey	A. C. J., 5, 116	46, 319
?	$Ph.SO_2.C_6H_4.O.SO_2.Ph$	$C_{18}H_{14}O_5S_2$	....	123	Schiaparelli	G. I., 11, 65	40, 603
Ditolylsuphonethyl sulphide	$(C_6H_4Me.SO_2.C_2H_4)_2S =(1.4)_2$	$C_{18}H_{22}O_4S_3$	....	150–160	Otto & Damköhler	J. p. [2], 30, 321	48, 538
Ditolylsulphonethyl oxide	$(C_6H_4Me.SO_2.C_2H_4)_2O =(1.4)_2$	$C_{18}H_{22}O_5S_2$	....	83	"	"	"
?	$C_{20}H_{12}O_5 + SO_2$	$C_{20}H_{12}O_8S$	....	140–150	Baeyer	A., 183, 1	31, 199
Dinaphthyl sulphoxide	$SO(C_{10}H_7)_2$	$C_{20}H_{14}OS$	....	162 u.c.	Ekstrand	B., 17, 2603	48, 171
" sulphone	$(C_{10}H_7)_2SO_2$	$C_{20}H_{14}O_2S$	....	70	....	....	v., 522
α- " "	"	"	cf. B. 9, 683	123	Stenhouse & Groves	C. N., 32, 151	30, 518
β- " "	"	"	"	*177*	"	"	"
" " "	"	"	cf. B. 10, 1723	175·5	Cleve	B. S. [2], 25, 256	30, 81 ; 34, 154
Phenylmercaptole of benzoyl formic acid	$(PhS)_2CPh.COOH$	$C_{20}H_{16}O_2S_2$	....	142	Baumann	B., 18, 891	48, 749
Phenylmercaptal of piperonal	$C_8H_6O_2:(SPh)_2$	"	....	48	"	B., 18, 886	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Galipeine sulphate	$C_{20}H_{21}O_3N+H_2SO_4$	$C_{20}H_{23}O_7S$(?)	$+7H_2O$	15	Körner & Böhringer	G. I., 13, 363	**46**, 341
Amyl oxysulphobenzide	$SO_2(C_6H_4.OC_5H_{11})_2$	$C_{22}H_{30}O_4S$	....	98	Annaheim	A., 172, 55	**27**, 797
Methoxycymene sulphone	$SO_2(C_6H_2MePr.OMe)_2$	„	....	150–151	Paternò	G. I. [1875], 13	**28**, 639
Diphenyl sulphone	$SO_2(C_6H_4.C_6H_5)_2$	$C_{24}H_{18}O_2S$	....	214–216	Gabriel and Deutsch	B., 13, 387	**38**, 476
Ethylic dibenzylphenyl sulphonacetate	$PhSO_2.C(CH_2Ph)_2.COOEt$	$C_{24}H_{24}O_4S$	....	118	Michael and Comey	A. C. J., 5, 116	**46**, 319
β-Naphthalene dinaphthylsulphoxide	$C_{10}H_6 : SO(C_{10}H_7)_2$	$C_{30}H_{20}OS$	....	111 u.c.	Ekstrand	B., 17, 2602	**48**, 170
Carvol + H_2S	$(C_{16}H_{14}O)_2.SH_2$	$C_{32}H_{30}O_2S$	....	187	Beyer	A. P. [3], 21, 283	**46**, 331
Melinointrisulphonic acid	$C_{34}H_{17}O_3(SO_3H)_3$	$C_{34}H_{20}O_{12}S_3$	....	n.f. 300	Trzcinski	B., 16, 2837	**46**, 590
Excretin	....	$C_{78}H_{156}O_2S$	...	96	Marcet	P. R. S., 9, 308	ii., 614
Trinkerite (fossil resin)	....	$C_aH_bO_cS_d$	....	168–180	Tscherniak	J.p. [2], 2, 258	vii., 1183
Phenol + SO_2	....	„	140	25–30	Holzer	J.p., 25, 462	**44**, 585

(17.) CHOSe.

Methyl selenious acid	Me.SeO.OH	CH_4O_2Se	....	122	....	A., 97, 6	
Benzyl „ „	$Ph.CH_2.SeO.OH$	$C_7H_8O_2Se$	....	85	Jackson	A., 179, 13 ; B., 7, 1278	**26**, 154 ; **29**, 581
?	....	„	....	88	„	B., 8, 111	**28**, 553

(18.) CHON.

Nitroform	$CH(NO_2)_3$	CHO_6N_3	....	15	Schischkoff	A., 103, 364	iv., 110
Methylazaurolic acid	$CH_2.N.O.N$	CH_2ON_2	....	d. a. 100	....	A., 214, 336	
Methylnitrolic acid	$HO.N : CH.NO_2$	$CH_2O_3N_2$	....	*64, d.*	Tscherniak	B., 8, 115 ; A., 180, 168	**26**, 561 ; **29**, 903
Formamide	$H.CO.NH_2$	CH_3ON	192–195	Liquid	Hofmann	16, 72	ii., 681
„ (cf. A., 128, 335)	„	„	150 (i. v.)	....	....	J. [1863], 319	
Methylic nitrite	Me.O.NO	CH_3O_2N	—13	....	Bertoni and Truffi	G. I., 14, 23	**46**, 1110
„ „	„	„	*—12*	....	Strecker	C. R., 39, 53	iv., 75
Nitromethane (Nitrocarbol)	Me.N.O.O	„	99	....	Meyer	A., 171, 32	vii., 893
„ „	„	„	99	Liquid	Meyer and Stuber	B., 5, 517	**25**, 804
„ „	„	„	*101*	Liquid	Kolbe	J. p. [2], 5, 427	vii., 893 ; **25**, 997
Methelic nitrate	$Me.O.NO_2$	CH_3O_3N	66	....	Dumas and Peligot	A. C. [2], 58, 37	iv., 109
Isuretine	....	CH_4ON_2	....	104–105 p. d.	Lossen & Schifferdecker	A., 166, 295 ; Z. C. [2], 7, 594	vii., 707 ; **25**, 500
Carbamide (urea)	$CO(NH_2)_2$	„	....	120	....	....	v., 951
„ „	„	„	n. v.	130	Michler	B., 8, 1664	**29**, 702
„ „	„	„	....	*132*	Lubavin	G. J. C., 1870	
Hydroxyl urea	$NH_2.CO.NH(OH)$	$CH_4O_2N_2$	cf. A., 182, 214	128–130	Dressler and Stein	Z. C. [2], 5, 202	vi., 725
Paracyanformic acid....	....	$(C_2HO_2N)_n$	....	a. 250 d.	....	J. p. [2], 10, 212	
Cyanformamide	$NC.CO.NH_2$	$C_2H_2ON_2$	....	60	....	J. R., 7, 99	
Nitracetonitril	$NO_2.CH_2.CN$	$C_2H_2O_2N_2$	....	abt. 40	Steiner	B., 9, 781	**30**, 289
„	....	(„)$_n$	....	216 d.	„	B., 9, 783	
Methylic isocyanate	O : C : N.Me	C_2H_3ON	....	Liquid	Cloez	I. D., Paris, 1866	vi., 519
„ „	„	„	40	....	Wurtz	A. C. [3], 42, 59	
„ „	„	„	*43–45*	....	....	A., 149, 313	
Methylic cyanate	N : CO.Me	„	90	....	Wurtz	A. C. [3], 42, 43	ii., 196
„ „	....	(„)$_n$	....	98	Hofmann	B., 3, 766	
Glycocinimide anhydride	$CH_2.NH.CO$	„ or („)$_2$	sb. 280	280	Curtius	B., 16, 755	**44**, 1087

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diazoacetamide	$N:N.CH.CO.NH_2$	$C_2H_3ON_3$	....	97	Curtius	B., 17, 958	**46**, 988
"	"	"	....	*114 d.*	"	B., 18, 1287	**48**, 884
Amidodicyanic acid	$(CN)_2(OH)(NH_2)$	"	cf. B., 8, 709	d. 100	Hallwachs	A., 153, 295	**vii.**, 406
Oxamic acid	$CO(NH_2).COOH$	$C_2H_3O_3N$	....	173	Toussaint	A., 120, 237	**iv.**, 279
Ethylaznrolic acid	$CH_3.CH.N.O.N$	$C_2H_4ON_2$	....	142 d.	Meyer & Constam	B., 14, 1457	
Formyl carbamide	$NH_2.CO.NH.COH$	$C_2H_4O_2N_2$	....	159	Geuther, Schertz, and Maish	Z. C. [2], 4, 300	**vi.**, 1116
Glyoxime	$H.CN(OH).CN(OH)H$	"	....	178	Wittenberg & Meyer	B., 16, 506	**44**, 804
Oxamide	$CO(NH_2).CO(NH_2)$	"	....	n. f.	Henry	C. R., 100, 943	**48**, 886
Methazonic acid	$CH_2.NO.O.NO.CH_2$	$C_2H_4O_3N_2$	....	58–60	Lecco	B., 9, 705	**30**, 287
Ethyl nitrolic acid	$CH_3.CO.N:O_2:NH(?)$	"	....	80–81	Meyer	B., 7, 429; A., 180, 170	**27**, 678; **vii.**, 895
" " "	"	"	cf. A., 214, 329	81–82	"	B., 6, 1497	**27**, 365
" " "	$CH_3.C(NO_2):NOH(?)$	"	....	81–82 d.	"	A., 175, 98	**28**, 558
Ethylenic nitrite	$O_2N.CH_2.CH_2.NO_2$	$C_2H_4O_4N_2$	....	37·5	Semenoff	Z.C.P.[1864], 129	**vi.**, 605
Dinitroethane	$CH_3.CH(NO_2)_2$	"	180–181; 185–186 c.	Liquid —17	ter Meer	B., 8, 1080; A., 181, 4	**29**, 67; **30**, 186
Methylformamide	$H.CO.NHMe$	C_2H_5ON	180–185	....	....	J. [1869], 601	
"	"	"	*190 (140)*	Liquid	Linnemann	W. A., 60, 44	**vi.**, 619
Acetamide	$CH_3.CO.NH_2$	"	221	78	Bödeker	G. J. C., 1860	**i.**, 5
"	"	"	221	....	Dumas & Malaguti	C. R., 25, 657	**vii.**, 3
"	"	"	....	78	Wichelhaus	B., 3, 848	**24**, 407
"	"	"	*222 c.*	*78*	Kündig	A., 105, 277	
"	"	"	218–220	....	Cahours	G. J. C., 1863	
"	"	"	....	82	Hofmann	B., 15, 981	
"	"	"	220	82–83	"	B., 14, 2729	
Ethylaldoxime (nitroso-ethane)	$CHMe:N.OH$ or $CHMe.NH.O$	"	*114–115*	Liquid	Petraczek	B., 15, 2784	**42**, 822
" "	"	"	114–115	....	Meyer and Janny	B., 15, 1526	**44**, 569
Ethylic nitrite	$Et.O.N:O$	$C_2H_5O_2N$	16·4	....	Liebig	A., 30, 143	**vii.**, 894
" "	"	"	16	....	Meyer and Stüber	B., 5, 404	**25**, 682
" "	"	"	16	...	Knecht	B., 10, 978	**32**, 569
" "	"	"	*16·6–17·8*	....	Brown	J., 9, 575	....
" "	"	"	17·5–18	....	Mohr	J., 7, 561	....
" "	"	"	18	....	Bertoni and Truffi	G. I., 14, 23	**46**, 1110
" "	"	"	18	....	Dumas and Boullay	A. C. [2], 37, 15	**iv.**, 75
?	....	"	29–30	Liquid	Kissel	B. S., 42, 319; J. R. [1882], 226	**42**, 935; **48**, 364
Nitroethane	$Et.NO_2$	"	111–113	....	"	"	"
"	"	"	111–113	....	Meyer	A., 171, 19	**vii.**, 894
"	"	"	111–113	....	Meyer and Stüber	B., 5, 401	**25**, 682
"	"	"	*113–114*	....	"	A. C. [4], 28, 138	
Methylic carbamate	$NH_2.COOMe$	"	177	52–55	....	A., 79, 110	**i.**, 751
Glycollamide	$CH_2(OH).CO.NH_2$	"	....	*120*	Heintz	A., 123, 315	**ii.**, 908
"	"	"	....	120	Beckurts and Otto	B., 14, 578	
Amidoacetic acid (glycocoll)	$CH_2(NH_2).COOH$	"	....	170	....	....	**ii.**, 909
" "	"	"	....	232–236 d.	Curtius	J. p. [2], 26, 155	**44**, 337
Biuret	$NH_2.CO.NH.CO.NH_2$	$C_2H_5O_2N_3$	....	177	Baeyer	A., 130, 154	**iii.**, 414
"	"	"	$+2H_2O(?)$	185	"	"	
"	"	"	....	*190 d.*	Wiedemann	A., 68, 323	
"	"	"	....	190	Hofmann	B., 4, 264	
"	"	"	....	190.	Huppert & Dogiel	B., 4, 476	**24**, 716
Ethylic nitrate	$EtO.NO_2$	$C_2H_5O_3N$	....	85–86	Playfair & Wanklyn	....	**iv.**, 108
" "	"	"	85	....	Millon	A. C. [3], 8, 236	
" "	"	"	*86·3*	....	Kopp	A., 64, 320; 98, 367	
" "	"	"	87·2	....	Wittstein	J., 18, 470	
" "	"	"	83–85	....	Henry	G. J. C. [1874]	
" "	"	"	87	....	Ramsay	35, 472	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hydroxylbiuret	....	$C_2H_5O_3N_3$	....	134	Dressler and Stein	Z. C. [2], 5, 202	vi., 725
Dimethylnitrosamine	$NMe_2.NO$	$C_2H_6ON_2$	148·5 (724)	Liquid	Renouf	B., 13, 2170	40, 152
Methyl carbamide	$NH_2.CO.NHMe$	"	....	100–101	Hofmann	B., 14, 2734	42, 822
" "	"	"	....	*102*	Fischer	B., 14, 1913	
Ethenylamidoxime	$NH_2.CMe:N.OH$	"	....	135	Nordmann	B., 17, 2748	48, 239
Ethyl hydroxylamine ...	$NHEt.OH$	C_2H_7ON	68	Liquid	Gürke	A., 205, 274	40, 572
Ammonium aldehydate	....	"	100	70–80	Liebig	A., 14, 144	i., 107
Hydroxylamine acetate	$(NH_2.OH)(C_2H_4O_2)$	$C_2H_7O_3N$	....	87–88	Lossen	Z. C. [2] ——	vi., 723
Ethylenediamine hydroxide	$C_2H_4(NH_3.OH)_2$	$C_2H_{12}O_2N_2$	117	....	Hofmann		
" "	"	"	*118*	*10*	Rhousopolos & Meyer	A., 212, 251	42, 940
Ammonium acetate + ammonia	$AcO(NH_4)+3NH_3$	$C_2H_{16}O_2N_4$	....	—18	Troost	C. R., 94, 789	42, 1162
" " "	$Ac.O(NH_4)+6NH_3$	$C_2H_{25}O_2N_7$	....	—32	"	"	"
Acetyl cyanide	$CH_3.CO.CN$	C_3H_3ON	*93*	Liquid	Hübner	A., 120, 334; 124, 315	vi., 22
" "	"	"	93	....	Fileti	G. I., 5, 391	29, 570
" "	....	(")$_n$	....	120	"	"	"
Cyanacetic acid	$NC.CH_2.COOH$	$C_3H_3O_2N$	....	*55*	Richter	R. K. T., 31	
" "	"	"	d. 165	80	Van t'Hoff	B., 7, 1382	28, 251
Methylic cyanocarbonate	$NC.COOMe$	"	100–101	....	Weddige	J. p. [2], 10, 199	28, 448
" "	....	(")$_n$	....	134	"	J. p. [2], 10, 214	28, 449
Nitrosomalonic acid	$HO.N:C(COOH)_2$	$C_3H_3O_5N$	....	*126 d.*	Meyer and Müller	B., 16, 608	44, 790
" "	"	"	....	125–129	Conrad	"	"
" "	"	"	....	d.	Conrad & Bischoff	B., 13, 599	38, 629
Cyanacetamide	$NC.CH_2.CO.NH_2$	$C_3H_4ON_2$	....	105	Van t'Hoff	B., 7, 1383	28, 251
Paracyanocarbomethylamide	....	(")$_n$	....	250	Weddige	J. p. [2], 10, 217	28, 449
Glycolylcarbamide (hydantoïn)	$CH_2.CO.NH.CO.NH$	$C_3H_4O_2N_2$	....	206	Baeyer	A., 130, 158	vi., 702
" "	"	"	....	*216*	"	B., 8, 614	
" "	"	"	....	216	Hofmann	Zoochemie, 509	
" "	"	"	....	216	Schulze & Barbieri	B., 14, 1834	
Ethylic isocyanate	$CO:NEt$	C_3H_5ON	....	*60*	Wurtz	A. C. [3], 42, 43	ii., 195
" "	"	"	....	65	Zotta	A., 179, 101	29, 570
" " (polymer)	$(C_3H_5ON)_3$(?) q.v.	"	....	95	Hofmann	B., 3, 766	
Ethylene cyanhydrin	$C_2H_4(OH).CN$	"	220–222	....	....	A., 191, 275	
Lactic nitril	$CH_3.CH(OH).CN$	"	182–184 d.	b. —21	....	Z. C. [1867], 660	vi., 75
Lactimide	$CHMe.CO.NH$	"	....	275	Preu	A., 134, 372	vi., 773
Allylic nitrite	$CH_2:CH.CH_2O.NO$	$C_3H_5O_2N$	85; 93 (?)	....	Brackebusch	B., 7, 226, 1142	27, 573
Nitropropylene	$C_3H_5.NO_2$	"	96; 107 (?)	....	"	"	"
Nitrosoacetone	$CH_3.CO.CH_2.NO$	"	....	*65*	Meyer and Züblin	B., 11, 695	34, 660
"	"	"	....	65	Treadwell & Westenberger	B., 15, 2788	44, 572
Acetyl formimide	$NH:CH.OAc$	"	....	70	Pinner	B., 16, 1653	44, 1090
Acetyl formamide	$CH_3.CO.CO.NH_2$	"	....	124–125	Claisen & Shadwell	B., 11, 1566	36, 45
Allylic nitrate	$C_3H_5.O.N:O$	$C_3H_5O_3N$	106	Liquid	Henry	B., 5, 452	25, 686
Methyloxamic acid	$CO(NHMe).COOH$	"	....	*140*	Wallach	A., 184, 69	32, 186
" "	"	"	....	140	Wurtz	A. C. [3], 30, 443	
" "	"	"	....	145–146	Hantzsch	B., 17, 2920	
α-Nitrosopropionic acid ...	$Me.CH(NO).COOH$	"	....	d. w. m. 177	Meyer and Züblin	B., 11, 694	34, 659
β-Nitropropionic acid	$CH_2(NO_2).CH_2.COOH$	$C_3H_5O_4N$	....	66–67	Lewkowitsch	J. p. [2], 20, 169	38, 33
Tartronamic acid	$CH(OH).CO(NH_2).COOH$	"	....	160 d.	Menschutkin	A., 182, 82; J. R., 8, 177	30, 627; 32, 323
Glyceryl trinitrite	....	$C_3H_5O_6N_3$	150–154	cf. B., 6, 1290	Masson	43, 350	
" " (nitro glycerin)	$C_3H_5(NO_3)_3$	$C_3H_5O_9N_3$	....	s. —4	Kern	C. N., 31, 153	
" " "	"	"	....	11	de Vrij	G. J. C. [1855], 626	
" " "	"	"	185	....	Champion	G. J. C. [1871]	
Ethylidene carbamide	$CH_3.CH.NH.CO.NH$	$C_3H_6ON_2$	....	154	....	A., 151, 204	
Propylazaurolic acid....	....	"	....	127·5	Meyer and Constam	A., 214, 334	44, 41
Methyloxamide	$CONH_2.CONHMe$	$C_3H_6O_2N_2$	....	227–229	Wallach and West	B., 9, 265	30, 185
"	"	"	....	227–229	Wallach	A., 184, 70	32, 186

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Malonamide	$CH_2(CO.NH_2)_2$	$C_3H_6O_2N_2$	....	168–170	Henry	C. R., 100, 943	**48**, 886
"	"	"	....	*170*	....	J. [1875], 528	
Acetylcarbamide	$NH_2.CO.NHAc.$	"	....	*112*	Moldenhauer	A., 92, 405	**i.**, 753
"	"	"	....	200 ?	Zinin	A., 94, 100	"
Acetoximic acid	$CH_3.CH(NO).CH_2(NO)$	"	....	153	Treadwell & Westenberger	B., 15, 2786	**44**, 572
" "	"	"	....	153	Meyer and Janny	B., 15, 1166	**42**, 1185
Propyl nitrolic acid	$CH_3.CH_2.C(NO_2):N.OH$	$C_3H_6O_3N_2$	....	60	Meyer and Locher	B., 7, 672	**27**, 983
" "	"	"	....	60	Meyer	A., 175, 114	**28**, 558
" "	"	"	....	60	Meyer and Lecco	B., 9, 395	**30**, 72
Propyl pseudonitrolic acid	$CH_3.C(NO)(NO_2).CH_3$	"	....	68	Kissel	B., 16, 960	
" "	"	"	....	76	Meyer and Locher	B., 7, 789	**27**, 983
" "	"	"	....	*76*	Meyer	A., 175, 120	**28**, 559
" "	"	"	....	76	Meyer and Locher	B., 7, 1509	**28**, 1183
Dinitropropane	$CH_3.CH_2.CH(NO_2)_2$	$C_3H_6O_4N_2$	182·5 u.c.; 189 c.	l. —17	ter Meer	B., 8, 1080; A., 181, 19	**29**, 68; **30**, 186
Dinitroisopropane	$CMe_2(NO_2)_2$	"	187 u.c.	50	Bredt	B., 15, 2323	**44**, 176
"	"	"	181·5 u.c.; *185·5 c.*	*53*	Meyer and Locher	B., 7, 1617; A., 180, 149	**28**, 445; **29**, 905
Ethyl formamide	$H.CO.NHEt$	C_3H_7ON	196–197	l. —30	Linnemann	W. A., 60, 44	**vi.**, 619
" "	"	"	199	....	Wurtz	J., 7, 567	**vii.**, 492
" "	"	"	*199*	....	Hofmann	B., 5, 247	**25**, 502
Methylacetamide	$CH_3.CO.NHMe$	"	207	26	"	B., 14, 2730	**42**, 822
"	"	"	*206*	*28*	"	"	"
Propionamide	$CH_3.CH_2.CO.NH_2$	"	....	*75–76*	Sestini	Z. C. [2], 7, 34; Cimento 4, 21	**24**, 234; **vii.**, 1009
"	"	"	....	75–76	Hofmann	B., 15, 981	
Dimethylacetoxime (acetoxime)	$CMe_2:N.OH$	"	134·8 u.c.	59–60	Janny	B., 15, 2779	**44**, 58
" "	"	"	134·8 c. (728)	59–60	Meyer and Janny	B., 15, 1324	**42**, 1047
Propylaldoxime (nitrosopropane)	$CH_3.CH_2.CH_2.NO$ (?)	"	130–132	Liquid	Petraczek	B., 15, 2784	
Propylic nitrite	$CH_3.CH_2.CH_2.O.NO$	$C_3H_7O_2N$	*43–46*	....	Cahours	C. R., 77, 745	**27**, 39
" "	"	"	44·5	....	....	G. I., 14, 23	**46**, 1110
" " (?)	"	"	55	....	Kissel	B. S., 42, 319	**48**, 364
" "	"	"	57	....	Bertoni and Truffi	G. I., 14, 23	**46**, 1110
Isopropylic nitrite	$(CH_3)_2CH.O.NO$	"	43–44	....	Kissel	J. R. [1882], 226	**42**, 936
" "	"	"	*45* (762)	Liquid	Silva	Z. C., 12, 637	**vi.**, 966
Nitroisopropane	$(CH_3)_2CH.NO_2$	"	112–117	Liquid	Meyer and Chojnacki	B., 5, 1036	**26**, 262
"	"	"	115–118	....	Schiff	B., 7, 1141	
"	"	"	115–118	....	Kissel	J. R. [1882], 226	**42**, 936
"	"	"	*115–118*	....	Meyer	A., 171, 39	**vii.**, 895
Nitropropane	$CH_3.CH_2.CH_2.NO_2$	"	122–127	Liquid	"	A., 171, 36	"
"	"	"	122–127	Liquid	Meyer and Rilliet	B., 5, 1033	**26**, 261
"	"	"	125–128	Liquid	Cahours	C. R., 76, 133	**26**, 366
Lactamide	$CH_3.CH(OH).CO.NH_2$	"	....	74	....	A., 104, 197; 133, 257	
Methylic methylcarbamate....	$NHMe.COOMe$	"	....	92	Schreiner	J. p. [2], 22, 353	**40**, 88
Ethylic carbamate (urethane)	$NH_2.COOEt$	"	....	47–50	McCreath	B., 8, 384	
" "	"	"	....	*49*	Ponomareff	B., 15, 515	
" "	"	"	*180*	b. 100	....	....	**i.**, 751
α-Amidopropionic acid (alanine)	$CH_3.CH(NH_2).COOH$	"	abt. 200	....	Strecker	A., 75, 29	**i.**, 63
β- " " (β-alanine)	$NH_2.CH_2.CH_2.COOH$	"	....	180; *190*	Mulder	B., 9, 1904	**32**, 312
β- " " "	"	"	....	195	Hertz	A. P. [3], 8, 234	**31**, 479
Methamidacetic acid (sarcosine)	$NHMe.CH_2.COOH$	"	....	sb. a. 100	Liebig	A., 62, 310	**v.**, 198
" " "	"	"	....	100+	Strecker	A., 123, 263	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methamidacetic acid (sarcosine)	$NHMe.CH_2.COOH$	$C_3H_7O_2N$	....	*210–220 d.*	Meylius	B., 17, 286	**46**, 994
Amidomalonamide	$NH_2.CH(CO.NH_2)_2$	$C_3H_7O_2N_3$	....	182	Conrad & Guthzeit	B., 15, 607	**42**, 946
Isopropylic nitrate	$CHMe_2.O.NO_2$	$C_3H_7O_3N$	100–102 (760)	Liquid	Silva	A., 154, 256	vi., 966
Propylic nitrate	$CH_3.CH_2.CH_2.O.NO_2$	,,	110·5	....	Wallach & Schulze	B., 14, 422	**40**, 572
Ethyl carbamide	$NH_2.CO.NHEt$	$C_3H_8ON_2$	....	*92*	Wurtz	R. [1862], 199	ii., 564
,, ,, ...	,,	,,	n.v.	92	Michler	B., 8, 1665	**29**, 702
Dimethyl carbamide....	NHMe.CO.NHMe	,,	....	97	Wurtz	C. R., 32, 414	i., 754
,, ,, ...	,,	,,	....	97–100	Maly & Hinteregger	B., 14, 726	**40**, 747
,, ,, ...	,,	,,	273–288	99·5	Wurtz	R. [1862], 199	iii., 1003
,, ,, ...	,,	,,	*268–270*	*102·5*	,,	,,	,,
α-Amidopropionamide	$CH_3.CH(NH_2).CO.NH_2$	,,	cf. A., 173, 344	a. 250	Baumstark	B., 6, 883	**26**, 1243
Ethyl semicarbazide....	....	$C_3H_9ON_3$	...	105–106	....	A., 199, 294	
Dinitropyrroline	$C_4NH_3(NO_2)_2$	$C_4H_3O_4N_3$	....	152	Ciamician & Silber	B., 18, 1462	**48**, 993
Nitropyruvinureïd	....	,,	....	a. 200 d.	....	A. C. [5], 11, 378	
Methylparabanic acid	CO.NMe.CO.NH.CO	$C_4H_4O_3N_2$	....	147	Maly & Andreasch	M.C., 3, 107	**42**, 633
,, ,, ...	,,	,,	....	148	Maly and Hinteregger	B., 14, 728	**40**, 747
,, ,, ...	,,	,,	....	149	Mabery and Hill	B., 13, 740	**40**, 39
,, ,, ...	,,	,,	....	149	Andreasch	B., 14, 1449	**40**, 897
,, ,, ...	,,	,,	....	*149·5*	Hill	B., 9, 1094	
Diisonitrosuccinic acid	$COOH.(C:N.OH)_2.COOH$	$C_4H_4O_6N_2$	....	128–130 d.	Müller	B., 16, 2986	**46**, 584
Cyanacetone	$CH_3.CO.CH_2.CN$	C_4H_5ON	120–125	....	Matthews and Hodgkinson	B., 15, 2679	
,, (polymer)	....	,,	....	166	....	J. p. [2], 1, 141	
Allylic isocyanate	$CO:N.C_3H_5$	,,	82	Liquid	Cahours and Hofmann	P. T. [1857], 555	ii., 195
Propionic cyanide	$CH_3.CH_2.CO.CN$	,,	*108–109*	....	Claisen and Moritz	37, 692	
,, ,, ...	,,	,,	108–110	Liquid	,,	B., 13, 2121	**40**, 154
Epicyanhydrin	$O:C_3H_5.CN$	,,	....	162	Pazschke	J. p. [2], 1, 98	vii., 466
?	....	,,	....	d. 280	....	A., 213, 174	
Ethylic cyanocarbonate	NC.COOEt	$C_4H_5O_2N$	115–116	Liquid	Weddige	J. p. [2], 6, 117; 10, 197; A., 184, 12	**26**, 381; **28**, 448; vii., 415
Ethylic paracyanocarbonate	$(NC.COOEt)_n$	,,	....	165	,,	J. p. [2], 10, 208	**28**, 449
Succinimide	$CH_2.CO.NH.CO.CH_2$	,,	287–288	....	Menschutkin	A., 162, 166	vii., 1102
,, ...	,,	,,	....	*125–126*	Erlenmeyer	Z. C. [2], 5, 175	vi., 1042
,, ...	,,	,,	....	210	Fehling & Teuchert	....	v., 461
Cyanacetyl carbamide	$CN.CH_2.CO.NH.CO.NH_2$	$C_4H_5O_2N_3$	....	200–210 d.	Mulder	B. S. [2], 29, 531; B., 12, 466	**34**, 786; **36**, 619
Diglycollimide	....	$C_4H_5O_3N$	....	142	Wurtz	A. C. [3], 69, 342	vi., 642
Fumaramic acid	$NH_2.CO.C_2H_2.COOH$	,,	....	217 d.	Michael and Wing	A. C. J., 6, 419	**48**, 968
Acetyl oxamic acid	NHAc.CO.COOH	$C_4H_5O_4N$	....	54	....	J. p. [2], 9, 299	
Amidomaleic acid	$C_2H(NH_2).(COOH)_2$	,,	....	180–182	Claus and Voeller	B., 14, 153	**40**, 254
Tartrimide	CH(OH).CO.NH.CO.CH(OH)	,,	...	230 d.	Arppe	A., 93, 352	v., 698
Oximidosuccinic acid	$COOH.C_2H_2(N.OH).COOH$	$C_4H_5O_5N$	....	d. 126	Ebert	A., 229, 45	**48**, 1123
Allanic acid	....	$C_4H_5O_5N_5$	$+H_2O$	d. 210–220	....	A., 159, 353	
Nitrosopyrroline	$C_4H_6N.NO$	$C_4H_6ON_2$	....	37–38	Ciamician and Dennstedt	B., 16, 1543	**44**, 1142
Diethylic dicyanate	$C_2N_2O_2Me_2$	$C_4H_6O_2N_2$	....	98	Hofmann	B., 3, 766	**24**, 136
Lactyl cyanamide	$CH_3.CH(OH).CO.NH.CN$	,,	....	212	Mertens	J. p. [2], 17, 34	**34**, 398
Fumaramide	$NH_2.CO.CH:CH.CO.NH_2$	,,	....	232	Curtius and Koch	B., 18, 1298	**48**, 885
Glycocollimide anhydride	$CH_2.NH.CO.CO.NH.CH_2$	,,	....	sb. 280	Curtius	B., 16, 755	
Lactyl carbamide	CHMe.CO.NH.CO.NH	,,	....	125	Urech	A., 165, 99; B., 6, 1114	vii., 724; **26**, 380; **27**, 148
,, ,, ...	,,	,,	....	140	Heintz	A., 169, 120	**27**, 149
,, ,, ...	,,	,,	...	145	Urech	B., 6, 1114	**27**, 148
Methyl hydantoin	$CH_2.CO.NH.CO.NMe$	,,	...	145	Neubauer	A., 138, 291	vi., 703

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methyl hydantoin	$CH_2.CO.NH.CO.NHMe$	$C_4H_6O_2N_2$	....	145	Hoppe-Seyler and Baumann	B., 7, 34	**27**, 464
„ „	„	„	....	145–146	Baumann	B., 7, 239	**27**, 578
„ „	„	„	....	151–152	„	„	„
„ „	„	„	....	*156;* 157–158	Salkowski	B., 7, 119	**27**, 464
„ „	„	„	....	159–160·5	Guareschi & Mosso	J. p. [2], 28, 504	**46**, 618
Nitroerythromannitol	$C_4H_6(NO_2)_4O_4$	$C_4H_6O_{12}N_4$	...	61	Stenhouse	P. T. [1849], 399	ii., 505
Isopropylic cyanate	....	C_4H_7ON	67	....	Hofmann	B., 15, 756	vii., 1016
„ „	$CHMe_2.CNO$	„	74	....	Silva	B. S. [2], 17, 97	**26**, 367
Hydroxyisobutyronitril ...	$CMe_2(OH).CN$	„	abt. 120	....	Urech	A., 164, 257	**26**, 59
γ-hydroxybutyronitril	$CH_2(OH).CH_2.CH_2.CN$	„	240–250	....	....	M. C., 3, 699	
Ethoxyacetonitril	$CH_2(OEt).CN$	„	132–133	....	Norton & Tcherniak	C. R., 87, 27	**34**, 972
„	„	„	*134–135* (750)	Liquid	Henry	B., 6, 261	**26**, 879
Crotonamide	....	„	....	Liquid	Beilstein & Wiegand	B., 18, 483	**48**, 740
„ (?)	....	„	....	149–152	Pinner	B., 17, 2008	**46**, 1292
„	$Me.CH:CH.CO.NH_2$	„	....	159	„	B., 12, 2056	**38**, 99
Ethylleucazone	....	$C_4H_7ON_3$	....	158–158·5	Meyer & Constam	A., 214, 341	**44**, 40
Nitrobutylene	$Me_2C:CH.NO_2$ or $CH_2:CMe.CH_2.NO_2$	$C_4H_7O_2N$	154–158 p. d.	Liquid	Haitinger	W. A., 77, 428	**36**, 701
Nitrosomethyl acetone	$CH_3.CO.CH(NO).CH_3$	„	*185–186 c.*	*74*	Meyer and Züblin	B., 11, 323	**34**, 487
„ „	„	„	....	74	Ceresole	B., 15, 1874	**44**, 41
Methylic isonitrosoacetone	$CH_3.CO.CH:N.O\ CH_3$	„	115–116 u. c.	Liquid −15	„	B., 16., 833	
Diacetamide	$NHAc_2$	„	215	59–60	Linneman	W. A., 60, 44	vii., 3
„	„	„	....	59	Gautier	C. R., 67, 1255	
„	„	„	....	74–75	Wichelhaus	B., 3, 847	**24**, 407
„	„	„	*a. 210*	*82;* s. 70	Hofmann	B., 14, 2732	**42**, 822
Propionyl formamide	$CH_3.CH_2.CO.CO.NH_2$	„	....	116–117	Claisen and Moritz	B., 13, 2121	**37**, 693; **40**, 154
Amidomaleic diamide	$C_2H(NH_2)(CO.NH_2)_2$	$C_4H_7O_2N_3$	....	122	Claus and Voeller	B., 14, 152	**40**, 254
Ethylic oxamate (oxamethane)	$NH_2.CO.COOEt$	$C_4H_7O_3N$	220	110	....	....	iv., 280
„ „ „	„	„	....	112	Morley and Saint	43, 401	
„ „ „	„	„	....	*114–115*	....	J. p. [2], 10, 196; 12, 434	
„ „ „	„	„	....	116–117	Grimaux	B. S. [2], 21, 153	**28**, 564
Ethyloxamic acid	$NHEt.CO.COOH$	„	....	120	Wallach	A., 184, 58	**32**, 186
Aceturic acid (acetylglycin)	$NHAc.CH_2.COOH$	„	....	206	Curtius	B., 16, 757; 17, 1667	**46**, 1307
„ „ „	„	„	....	d. 130	Kraut & Hartmann	A., 133,105	
Succinamic acid	$NH_2.CO(CH_2)_2.COOH$	„	....	300	....	A., 134, 136; 162, 175	
α-Nitrosobutyric acid	$CH_3.CH_2.CH(NO).COOH$	„	....	151 d.	Wleügel	B., 15, 1058	**42**, 944
β-isomitrosobntyric acid	$CH_3.C(N.OH).CH_2.COOH$	„	....	140 d.	Westenberger	B., 16, 2996	**46**, 581
Ethylic nitro-acetate	$CH_2(NO_2).COOEt$	$C_4H_7O_4N$	150–160 d.	Liquid	Lewkowitsch	J. p. [2], 20, 159	**38**, 32
„ „	„	„	151–152	Liquid	Forcrand	J. p. [2], 19, 487	**38**, 33
„ „ (cf. B., 15, 1604)	„	„	*151–152*	Liquid	„	C. R., 88, 974	**36**, 621
Diglycollamic acid	$O.(CH_2.CO.NH_2)_2$	„	....	a. 125	Heintz	A., 128, 141	vi., 645
Amidodiglycollic acid	$NH(CH_2.COOH)_2$	„	....	d. a. 210	„	A., 132, 276	vi., 644
Ethylic nitroglycollate	$NO_2.CH(OH).COOEt$	$C_4H_7O_5N$	180–182	....	Henry	A. C. [4], 28, 424	
Allyl carbamide	$NH_2.CO.NH.C_3H_5$	$C_4H_8ON_2$	....	*85*	Andreasch	M. C., 5, 33	**46**, 732
„ „	„	„	....	141	Maly	Z. C. [1869], 261	
Succinamide	$NH_2.CO.(CH_2)_2.CO.NH_2$	$C_4H_8O_2N_2$	....	b. 200	D'Arcet	A., 16, 215	v., 461
„	„	„	....	*242–243*	Henry	C. R., 100, 943	**48**, 886
Ethyl oxamide	$NH_2.CO.CO.NHEt$	„	....	202–203	Wallach	A., 184, 65	**32**, 186
Dimethyl oxamide	$NHMe.CO.CO.NHMe$	„	....	208	Maly & Andreasch	M. C. [3], 107	**42**, 633
„ „	„	„	....	209–210	Henry	C. R., 100, 943	**48**, 887
„ „	„	„	....	212	Richter	R. K. T.	
„ „	„	„	....	*209–210*	Wallach and West	B., 9, 266	**30**, 185
„ „	„	„	....	210	Wallach & Schulze	B., 14, 422	**40**, 572
Aceturamide	$NHAc.CH_2.CO.NH_2$	„	....	137	Curtius	B., 17, 1674	**46**, 1307
Acetylmethyl carbamide	$NHMe.CO.NHAc$	„	....	180	Hofmann	B, 14, 2727	**42**, 822
Ethylmethylacetoximic acid	$HON:CMe.CMe:NOH$	„	....	sb. 215	Schramm	B., 16,179	**44**, 573

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
?	$C_4H_4(NH.OH)_2$	$C_4H_8O_2N_2$	....	173	Ciamician and Dennstedt	G. I., 14, 156	48, 246
Amidosuccinuric acid	$NH_2.CO.CH_2.CH(NH.CO.NH_2).COOH$	$C_4H_8O_2N_3$	....	137–138 d.	Guareschi	B., 10, 1747	34, 138
Ethylazaurolic acid	$ON.CHMe.N_2.CHMe.NO$	$C_4H_8O_2N_4$	....	142 d.	Meyer & Constam	B., 14, 1457	40, 896
β-nitrosocreatinine	....	”	....	195	Märcker	A., 133, 310	vi., 503
α- ”	....	”	....	210 d.	”	A., 133, 306	”
Butylpseudonitrol	$CH_3.CH_2.C(NO)(NO_2).CH_3$	$C_4H_8O_3N_2$	....	58	Meyer and Locher	B., 7, 1509; A., 180, 135	28, 1183; 29, 904
Ethylic allophanate	$NH_2.CO.NH.COOEt$	”	....	190–191	Richter	R. K. T.	
Lacturamic acid	$NH_2.CO.NH.CHMe.COOH$	”	....	155 d.	Urech	A., 165, 99	vii., 723; 26, 380
Dinitrobutane	$CH_3.CH_2.CH_2.CH(NO_2)_2$	$C_4H_8O_4N_2$	190 d.	Liquid	Züblin	B., 10, 2085	34, 284
”	”	”	*197 p. d.*	....	Chancel	C. R., 96, 1466	44, 915
”	$CH_3.CH_2.C(NO_2)_2.CH_3$	”	199 c.; p. d.	Liquid	Meyer	B., 9, 701	30, 288
”	$C_4H_8(NO_2)_2$	”	....	95–96	Beilstein and Kurbatow	B., 14, 1621	40, 1021
Iso-dinitrobutane	$CHMe_2.CH(NO_2)_2$	”	d.	Liquid	Züblin	B., 10, 2087	34, 284
Ethylene allophanate	$NH_2.CO.NH.COO.C_2H_4.OH$	”	....	100	Baeyer	A., 114, 160	i., 134
Diamidosuccinic acid	$[.CH(NH_2).COOH]_2$	”	....	*151 u. c.*	Claus and Helpenstein	B., 14, 627	40, 578
” ”	”	”	....	151	Claus	B., 15, 1849	
” ”	”	”	....	d. w. m. a. 200	Lehrfeld	B., 14, 1817	42, 163
Isopropylformamide....	$H.CO.NHPr\beta$	C_4H_9ON	220	....	....	A., 149, 158	
Ethylacetamide	$CH_3.CO.NHEt$	”	200	Liquid	Wurtz	C. R., 36, 180	ii., 552
”	”	”	*205*	....	”	J., 7, 566	
”	”	”	203–204	....	Linnemann	W. A., 60, 44	vii., 4
”	”	”	205	....	Wallach and Hoffmann	....	32, 188
Butyramide	$CH_3.CH_2.CH_2.CO.NH_2$	”	....	115	Chancel	C. R., 18, 849	i., 690
”	”	”	216	....	....	A., 52, 294	
Isobutyramide	$CHMe_2.CO.NH_2$	”	216–220	100–102	Letts	B., 5, 672	25, 1020
”	”	”	....	124·5	Münde	B., 7, 1372; A., 180, 340	28, 247; 30, 68
”	”	”	....	*128–129*	Hofmann	B., 15, 982	
Ethylacetimide	$NH : CMe.OEt$	”	97	Liquid	Pinner	B., 16, 1654	44, 1090
Isobutyl aldoxime	....	”	139	Liquid	Petraczek	B., 15, 2785	44, 569
Ethylmethylacetoxime	$CEtMe : N.OH$	”	152–153	Liquid f. m.	Janny	B., 15, 2779	44, 580
Butylic nitrite	$CH_3.CH_2.CH_2.CH_2.O.NO$	$C_4H_9O_2N$	76	....	Bertoni and Truffi	G. I., 14, 23	46, 1110
Isobutylic nitrite	$CHMe_2.CH_2.O.NO$	”	66–70	....	”	”	”
” ”	”	”	67	....	Chapman & Smith	J., 22, 153	
Butylic nitrite	$CMe_3.O.NO$	”	76–78	Liquid	Tscherniak	A., 180, 159	29, 902
Nitrobutane	$(CH_3)_3.C.NO_2$	”	110–130	Liquid	”	A., 180, 155	”
Nitroisobutane	$CHMe_2.CH_2.NO_2$	”	137–140	Liquid	Demole	B., 7, 710; A., 175, 142	vii., 897; 27, 984; 28, 561
Nitrobutane	$CH_3.CH_2.CH(NO_2).CH_3$	”	abt. 140	Liquid	Meyer and Locher	A., 180, 134	29, 904
”	$CH_3.CH_2.CH_2.CH_2.NO_2$	”	151–152 c.	Liquid	Züblin	B., 10, 2083	34, 284
Propylic carbamate	$NH_2.COOPr\alpha$	”	....	50	Roemer	B., 6, 1102	27, 39
” ”	”	”	194–196	51–53	Cahours	C. R., 76, 1383	26, 872; vii., 1014
Ethylic methylcarbamate	$NHMe.COOEt$	”	170	....	Schreiner	J.p. [2], 21, 124	38, 312
Amidoisobutyric acid	$Me_2C(NH_2).COOH$	”	....	sb. 220	Tiemann and Friedländer	B., 14, 1972	
Ethylamidoacetic acid	$NHEt.CH_2.COOH$	”	....	a. 160 d.	Heintz	A., 129, 33; 132, 1	vi., 643
α-Methamidopropionic acid	$CH_3.CH(NHMe).COOH$	”	brown 180	260 d.	Lindenberg	J.p. [2], 12, 244	29, 701
Ethylglycollamide	$CH_2(OEt).CO.NH_2$	”	225	b. 100	Heintz	A., 129, 42	
Glycolethylamide	$CH_2(OH).CO.NHEt$	”	250	Liquid	”	A., 129, 29	vi., 647
Guanolin	....	$C_4H_9O_2N_3$	....	114–115	....	J.p. [2], 17, 238	
”	....	”	$+H_2O$	100	....	”	
Butylic nitrate	$C_4H_9.O.NO_2$	$C_4H_9O_3N$	a. 130	....	Wurtz	J., 7, 575	
Isobutylic nitrate	$CHMe_2.CH_2.O.NO_2$	”	123	....	Chapman & Smith	Z. C. [1869], 433	22, 153
Base from creatinine	....	$C_4H_9O_4N$	....	152	Märcker	A., 133, 314	vi., 503

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
?	....	$C_4H_{10}ON_2$	170–172	....	Linnemann	....	vi., 63
Diethylnitrosamine	$NEt_2.NO$	,,	*176·9 c.*	....	Geuther & Kreuzhager	A., 127, 43	iv., 114
,,	,,	,,	177	....	Knecht	B., 10, 978	32, 569
Methylethylcarbamide	....	,,	266–268	52–53	Wurtz	R. [1862], 199	iii., 1003
,, ...	....	,,	....	75	Schreiner	J.p. [2], 22, 360	40, 88
,, ...	....	,,	....	105	,,	J.p. [2], 22, 359	,,
Diamidosuccinamide....	$NH_2.CO.(CH.NH_2)_2.CO.NH_2$	$C_4H_{10}O_2N_4$	....	160	Claus and Helpenstein	B., 14, 626	40, 578
Ethylene dicarbamide ..	$C_2H_4(NH.CO.NH_2)_2$	,,	cf. A., 119, 349	192	Volhard	P. R., 11, 268	ii., 595
Ethylic methanedicarboxylamide carboxylate	$CH(CO.NH_2)_2.COOEt$	$C_4H_{10}O_4N_2$	....	190–191	Amato	G. I., 1, 690	vii., 9
Butaldehyde ammonia	$CH_3.CH_2.CH_2.COH+NH_3$	$C_4H_{11}ON$	$+5H_2O$	30–31	Lipp	A., 211, 356	42, 709
Dimethylethylalkine	....	,,	130–134	....	Ladenburg	B., 14, 2408	42, 166
Acid ammonium acetate	$CH_3.COONH_4+C_2H_4O_2$	$C_4H_{11}O_4N$	....	76	....	....	i., 13
Furfuronitril	$C_4H_3O.CN$	C_5H_3ON	146–148	Liquid	Wallach	B., 14, 752	40, 715
,, ...	,,	,,	*147* (757·8)	....	Ciamician & Dennstedt	B., 14, 1058	40, 801
Nitropyromucic acid	$C_4H_2O(NO_2).COOH$	$C_5H_3O_5N$	....	*183*	Klinkhardt	J.p. [2], 25, 51	42, 499
,, ,, ...	,,	,,	....	184	Priebs	B., 18, 1363	48, 971
Sarcine	....	$C_5H_4ON_4$	....	n. f. 150	Strecker	A.	v., 196
Succinocyanimide	$C_2H_4:(CO)_2:N.CN$	$C_5H_4O_2N_2$	....	138	Möller	J.p. [2], 22, 207	40, 259
Nitrocarbopyrrolic acid	....	$C_5H_4O_4N_2$	....	144–146	Ciamician & Danesi	G. I., 12, 28	42, 875
Hydroxypyridine (chelamide)	$C_5H_4N.OH$	C_5H_5ON	....	95–96	Lerch	M. C., 5, 367	48, 46
,, ...	,,	,,	....	107	König and Geigy	....	,,
β- ,, ...	,,	,,	....	123·5	Fischer & Renouf	B., 17, 764	46, 1050
β- ,, ...	,,	,,	....	*124·5*	,,	B., 17, 1896	46, 1370
,, ...	,,	,,	....	148	Ost	J.p. [2], 29, 57	48, 50
,, (pyridone)	,,	,,	350	*148·5*	Haitinger & Lieben	M. C., 6, 279	48, 966
,, ,,	,,	,,	$+H_2O$	66–67	,,	,,	,,
Allylic cyanocarbonate	$CN.COOC_3H_5$	$C_5H_5O_2N$	135	Liquid	Wagner & Tollens	B., 5, 1045	26, 381
Pyromucamide	$C_4H_3O.CO.NH_2$	,,	....	100	....	A., 116, 282	
,, ...	,,	,,	....	130–132	Schwanert	C. R., 22, 856	iv., 764
,, ...	,,	,,	....	140–142	Wallach	B., 14, 751	40, 714
,, ...	,,	,,	....	*142–143*	Ciamician & Dennstedt	B., 14, 1058	40, 801
Citraconimide	....	,,	cf. B., 15, 1343	109–110	,,	G. I., 12, 500	44, 313
β-Pyrrolic acid	$C_4H_4N.COOH$	,,	....	161–162 p. d.	Ciamician	M. C., 1, 626; B., 14, 1055	42, 212
α- ,, ,, ...	,,	,,	sb. 190	191·5 d.	,,	,,	,,
Pyrocomenamic acid	$C_4H_4N.COOH$	,,	....	d. w. m. 250	Ost	J.p. [2], 27, 270	44, 792
Furfuraldoxime	O.CH:CH.CH:C.CH:N.OH	,,	201–208 s. d.	89	Odernheimer	B., 16, 2989	46, 585
Dihydroxypyridine	$C_5H_3N(OH)_2$	,,	....	255 d.	Königs and Geigy	B., 17, 1836	46, 1369
Allylalcohol dicyanide	$C_3H_5.(CN)_2.OH$	$C_5H_6ON_2$	150–151	....	Tollens & Wagner	B., 5, 621, 1045	25, 1093; vii., 48
Dipyromucamide	....	,,	....	173	Schwanert	A., 116, 272	iv., 765
,, ...	....	,,	....	*176·5*	....	M. C., 1, 289	
Pyrrolcarbamide (tetrolcarbamide)	$C_4H_4:N.CO.NH_2$	,,	....	*165–166*	Ciamician & Magnaghi	B., 18, 416	48, 809
,, ,,	,,	,,	cf. B., 15, 944	167	Ciamician & Dennstedt	G. I. [1882], 84	42, 606
,, ,,	,,	,,	....	167–168	,,	B., 15, 2580	44, 350
Amidohydroxypyridine	$NH_2.C_5NH_3.OH+H_2O$	,,	sb. a. 214	214	Krippendorff	J.p. [2], 32, 153	46, 1243
Diacetyl cyanamide	$CN.NAc_2$	$C_5H_6O_2N_2$	....	d. 75	Mertens	J.p. [2], 17, 14	34, 397
Succinocyaminic acid	$COOH.C_2H_4.CO.NH.CN$	$C_5H_6O_3N_2$	....	128	Möller	J.p. [2], 22, 193	40, 259
Dimethyl parabanic acid (cholestrophane)	CO.NMe.CO.CO.NMe	,,	...	105	Andreasch	B., 14, 1451	40, 897
,, ,,	,,	,,	....	145	Maly and Hinteregger	B., 14, 725	40, 747
,, ,,	,,	,,	*275–277*	*145·5*	Menschutkin	A., 178, 201	29, 379

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Fr. dimethyluric acid	cf. A. C. J., 2, 305	$C_5H_6O_3N_2$	....	160	Mabery and Hill	B., 13, 740	**40**, 39
Malylureic acid	$NH.CO.NH.CO.CH_2.CH.COOH$	$C_5H_6O_4N_2$	....	215–220 d.	Grimaux	C. R., 80, 828	**28**, 752
Isobutyryl cyanide	$CHMe_2.CO.CN$	C_5H_7ON	117–120	....	Moritz	39, 13	
Butyryl "	$CH_3.CH_2.CH_2.CO.CN$	"	133–137	....	"	39, 16	
Furfurylamine	$O.CH.CH:CH.C.CH_2.NH_2$	"	145–146(761)	Liquid	Ciamician and Dennstedt	B., 14, 1476	**40**, 898
Ethylic cyanacetate	$NC.CH_2.COOEt$	$C_5H_7O_2N$	207	....	Van t'Hoff	B., 7, 1383	**28**, 251
Methyl succinimide	$CO.(CH_2)_2.CO.NMe$	"	234	55–60	Menschutkin	A., 178, 201	**29**, 380
" "	"	"	*234*	*66·5*	"	A., 182, 92	**30**, 626
Pyrotartrimide	$CO.CHMe.CH_2.CO.NH$	"	280 d.	66	Arppe	A., 87, 231	**iv.**, 775
Glutarimide	$CO.(CH_2)_3.CO.NH$	"	....	151–152	Bernheimer	G. I. [1882], 281	**42**, 1190
Acetonyl carbaminate	$CMe_2.O.CO.NH.CO$	$C_5H_7O_3N$	....	*75·5–76 c.*	Urech	B., 13, 485	**38**, 545
" "	"	"	....	73	"	B., 11, 468	**34**, 488
Glutiminic acid	....	"	....	180	Schützenberger	B., 8, 643	
Dimethylcyanuric acid	$Me_2HC_3N_3O_3$	$C_5H_7O_3N_3$	....	222	Hofmann	B., 14, 2728	**42**, 822
Malylureïd	$NH.CO.NH.CO.CH.CH_2.COOH$	"	....	230–235 d.	Grimaux	A. C. [5], 11, 400	
Ethylhydantoïn	$CHEt.CO.NH.CO.NH$	$C_5H_8O_2N_2$	....	b. 100	Heintz	A., 133, 65	**vi.**, 702
Acetonyl carbamide	$CMe_2.CO.NH.CO.NH$	"	....	175	Urech	A., 164, 264	**vii.**, 17; **26**, 61
Mesaconamide	$C_3H_4(CO.NH_2)_2$	"	....	176·5	Strecker	B., 15, 1641	**42**, 1281
Citraconamide	"	"	....	191 d.	"	B., 15, 1640	"
Itaconamide	"	"	....	192	"	"	"
Dimethylic amidocyanurate	$(C_3N_3)(OMe)_2.NH_2$	$C_5H_8O_2N_4$	....	212	Hofmann and Olshausen	B., 3, 273	**vii.**, 409
Diacetyl carbamide	$CO(NHAc)_2$	$C_5H_8O_3N_2$	....	melts	Schmidt	J. p. [2], 5, 64	**vii.**, 268
Dimethylglyoxyl carbamide	$CH(OH).CO.NMe.CO.NMe$	"	....	b. 100	Andreasch	M. C., 3, 436	**42**, 1055
Methylallantoïn	....	$C_5H_8O_3N_4$	....	225 d.	Hill	B., 9, 1091	**30**, 509
Ethylic oxalurate	$NH_2.CO.NH.CO.COOEt$	$C_5H_8O_4N_2$	cf. B., 4, 645	160–170 d.	Henry	C. R., 73, 195	**24**, 823
" "	"	"	....	*177–178 d.*	Salomon	B., 9, 374	**30**, 75
Succinocarbamic acid	$NH_2.CO.NH.CO.(CH_2)_2.COOH$	"	....	*203–204*	Pike	C. N., 28, 173	**27**, 49
" "	"	"	....	203–205	"	B., 6, 1104	
Isobutylic isocyanate ...	$CHMe_2.CH_2NCO$	C_5H_9ON	110	....	Brauner	B., 12, 1877	
Butylic cyanate	$CMe_3.NCO$	"	85·5 c.	Liquid	"	B., 12, 1875	**38**, 228
Hydroxyisovaleronitril	$CHMe_2.CH(OH).CN$	"	136 d.	l. —17	Lipp	A., 205, 26	**40**, 86
Ethylic diamidocyanurate	$C_3N(NH_2)_2.OEt$	$C_5H_9ON_5$	....	190–200	Hofmann and Olshausen	B., 3, 275	**vii.**, 410
Nitroamylene	$C_5H_9.NO_2$	$C_5H_9O_2N$	160–170 d.	....	Haitinger	M. C., 2, 290	**40**, 1115
"	"	"	69–73 (14)	....	"	"	"
Nitrosoethyl acetone	$CH_3.CO.CH(NO)Et$	"	....	53–55	Meyer and Züblin	B., 11, 323	**34**, 488
" "	"	"	183–187 c. (d.p.)	*53–55*	"	B., 11, 695	**34**, 660
Ethylic isointroso-acetone	$CH_3.CO.CH:N.OEt$	"	130	....	Ceresole	B., 16, 834	
Methylic isonitroso-methyl-acetone	$CH_3.CO.CMe:N.OMe$	"	125 u.c.	....	"	"	
Methyl diacetamide	$NMeAc_2$	"	*192*	Liquid	Hofmann	B., 14, 2731	**42**, 822.
" " (?)	....	"	....	82–83	Brandes	Z. C. [1866], 459	**vi.**, 829
Butyryl formamide	$CH_3.CH_2.CH_2.CO.CO.NH_2$	"	....	105–106	Moritz	39, 16	
Isobutyryl "	$CHMe_2.CO.CO.NH_2$	"	....	125–126	"	39, 13	**vi.**, 13
Levulinamide	$C_4H_7O.CO.NH_2$	"	....	107	Wolff	A., 229, 249	**48**, 1124
Caffoline	$CH(OH).NMe.CO.N:C.NHMe$	$C_5H_9O_2N_3$	cf. B., 15, 29	194–196	Fischer	B., 14, 1907	**42**, 217
Ethylic acetylcarbamate	$NHAc.COOEt$	$C_5H_9O_3N$	....	77–78	McCreath	B., 8, 1182	
" "	"	"	....	77–78	Kretschmar	C. C. [1876], 233	**31**, 614
" "	"	"	....	*77–78*	Salomon	J. p. [2], 9, 299	**27**, 790

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methylic aceturate	$NHAc.CH_2.COOMe$	$C_5H_9O_3N$	254 (712)	58·5	Curtius	B. 17, 1672	**46**, 1307
Ethylic methoxamate	$NHMe.CO.COOEt$	”	*242–243*	*s. 8–10*	Wallach	A., 184, 68	**32**, 186
” ”	”	”	....	s.b. 0	Wallach and West	B., 9, 265	**30**, 185
” α-nitrosopropionate	$CH_3.CH(NO).COOEt$	”	233 c.; p.d.	*94*	Meyer and Züblin	B., 11, 693	**34**, 659
” α- ”	”	”	....	95	Meyer and Janny	B., 15, 1528	
α-Isonitrosovaleric acid	$CH_3.(CH_2)_2.C(N.OH).COOH$	”	....	143–144·5 d.	Fürth	B., 16, 2181	**46**, 42
γ- ” ”	$CH_3.C(N.OH).(CH_2)_2.COOH$	”	....	95–96	Müller	B., 16, 1618	**44**, 1129
Dimethyloxaluramide	$NH_2.CO.CO.NMe.CO.NHMe$	$C_5H_9O_3N_3$	....	225 d.	Menschutkin	A., 178, 203	**29**, 379
Nitrovaleric acid	$C_4H_8(NO_2)COOH$	$C_5H_9O_4N$	m.a. 100	cryst.	Dessaignes	A., 69, 274	v., 979
Glutamic acid	$C_3H_5(NH_2)(COOH)_2$	”	....	135–140 p.d.	Ritthausen	J. p. [2]	vi., 637
” ”	”	”	....	188–190	Schulz and Urich	Lw. 20, 193; B., 8, 86	**34**, 84
” ”	”	”	....	188–194	Urich and Barbieri	B., 16, 314	
” ”	”	”	....	192	Richter	R. K. T., 74	
” ”	”	”	....	*202–202·5*	Schulze & Bosshard	B., 16, 314	
Ethylic β-nitropropionate	$CH_2(NO_2).CH_2.COOEt$	”	161–165	Liquid	Lewkowitsch	J. p. [2], 20, 167	**38**, 33
” nitrolactate	....	$C_5H_9O_5N$	178	....	Henry	B., 3, 532	
Nitrosopiperidine	$C_5H_{10}N.NO$	$C_5H_{10}ON_2$	218	Liquid	Schotten	B., 15, 425	**42**, 983
”	”	”	240 pd.	Liquid	Wertheim	A., 127, 81	vi., 947
Ethylacetyl carbamide	$CO(N_2H_2EtAc)$	$C_5H_{10}O_2N_2$	....	120	....	J. p. [2], 21, 31	
Butyryl carbamide	$NH_2.CO.NH.CO.C_3H_7$	”	....	176	....	A., 94, 101	i., 753
Ethylmethyl oxamide	$NHMe.CO.CO.NHEt$	”	....	155–157	Wallach and West	B., 9, 263	**30**, 184
” ”	”	”	....	155–157	Wallach	A., 184, 67, 70	**32**, 186
Dimethyl malonamide	$CH_2(CO.NHMe)_2$	”	....	123–125	Henry	C. R., 100, 943	**48**, 887
” ”	”	”	....	*128*	Freund	B., 17, 134	**46**, 728
” ”	$CMe_2(CONH_2)_2$	”	....	196–198, a.f. 208–210	Thorne	39, 545	
Pyrotartaramide	$NH_2.CO.CHMe.CH_2.CO.NH_2$	”	....	175	Henry	C. R., 100, 943	**48**, 886
Methylpropylacetoximic acid	$HO.N:CMe.CEt:N.OH$	”	....	170	Schramm	B., 16, 181	**44**, 590
Propylic allophanate	$NH_2.CO.NH.COOPr^{\alpha}$	$C_5H_{10}O_3N_2$	....	150–160	Cahours	C. R., 76, 1383	**26**, 872
Acetonyl uramic acid	$NH_2.CO.NH.CMe_2.COOH$	”	....	160, d.	Urech	A., 164, 274	vii., 18; **26**, 62
Glycerylic allophanate	$C_3H_5(OH)_2(O.C_2H_3N_2O_2)$	$C_5H_{10}O_5N_2$	....	160	Baeyer	A., 114, 160	i., 134
Diethylformamide	$H.CO.NEt_2$	$C_5H_{11}ON$	*175–178*	Liquid —20	Linnemann	W. A., 60, 44	vi., 619
”	”	”	175–178	....	Wallach	B., 14, 744	
Isobutylformamide	$H.CO.NH.CH_2.CHMe_2$	”	....	135	Schmidt & Sachtleben	A., 193, 102	**36**, 139
Isovaleramide	$CHMe_2.CH_2.CO.NH_2$	”	....	100	Dessaignes and Chautard	A., 68, 323	v., 974
”	”	”	....	126	Hofmann	B., 15, 983	
”	”	”	*230–232*	*126–128*	Letts	B., 5, 673	vii., 1196
Methylisopropylacetoxime	$CHMe_2.CMe:N.OH$	”	157–158	....	Nägeli	B., 16, 2984	**46**, 611
Isoamylaldoxime	$CHMe_2.CH_2.CH:N.OH$	”	160–162	....	Petraczek	B., 16, 829	
Isoamylic nitrite	$CHMe_2.CH_2.CH_2.O.NO$	$C_5H_{11}O_2N$	91	....	Rieckher	J., 1, 699	iv., 75
” ”	”	”	*92*	....	Bertoni and Truffi	G. I., 14, 23	**46**, 1110
Amylic nitrite	$C_5H_{11}.O.NO$	”	94–95	....	Hilger	G.J.C.[1874], 352	
” ”	”	”	96	....	Balard	A. C. [3], 12, 318	iv., 75
” ”	”	”	97–98	....	Chapman	G. J. C., 1867	
” ”	”	”	98–99	....	....	....	vi., 870
” ”	”	”	99	....	Guthrie	J., 11, 403	
” ”	”	”	96–100	....	Maisch	C. C. [1872], 352	**25**, 1092
” ”	$CH_3.(CH_2)_3.CH_2.O.NO$	”	*97*	....	Bertoni and Truffi	G. I., 14, 23	**46**, 1110
Nitropentane	$C_5H_{11}.NO_2$	”	150–160	....	Meyer and Stuber	B., 5, 204; A., 171, 43	**25**, 474; vii., 897
Ethylic dimethyl carbamate	$NMe_2.COOEt$	”	139–140	....	Schreiner	J. p. [2], 20, 125	**38**, 312
” ethylcarbamate	$NHEt.COOEt$	”	174–175	....	Wurtz	C. R., 37, 182	i., 751
” ”	”	”	*175·5*	....	Schreiner	J. p. [2], 20, 125	**38**, 312
” ”	”	”	....	112·5	”	J. p. [2], 22, 353	**40**, 88
Isobutylic carbamate	$NH_2.COO.CH_2.CHMe_2$	”	206–207	55	Mylius	B., 5, 973	**26**, 266
α-ethylamidopropionic acid	$C_2H_3Et(NH_2).COOH$	”	....	w. m.	Duvillier	C. R., 99, 1120	**48**, 373
α-amidoisovaleric acid	$CHMe_2.CH(NH_2).COOH$	”	....	w. m.	Justin	B. S. [2], 37, 3	**42**, 599
β- ” ”	$(CH_3)_2.C(NH_2).CH_2.COOH$	”	....	215	Bredt	B., 15, 2321	
β- ” ”	”	”	....	217	Lüdeke	A., 198, 53	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Lactoethylamide	$CH_3.CH(OH).CO.NHEt$	$C_6H_{11}O_2N$	260	48	Wurtz and Friedel	A. C. [3], 63, 110	iii., 453
Ethyl lactamide	$CH_3.CH(OEt).CO.NH_2$	"	219	62–63	Wurtz	A. C. [3], 69, 175	iii., 452
α-methoxybutyramide	$CH_3.CH_2.CH(MeO).CONH_2$	"	....	77–78	Duvillier	C. R., 88, 598	36, 523
α-hydroxyisovaleramide	$CHMe_2.CH(OH).CO.NH_2$	"	....	104	Lipp	A., 205, 27	40, 86
γ-hydroxyvaleramide	$CH_3.CH(OH.(CH_2)_2.CO.NH_2$	"	....	50	Neugebauer	A., 227, 97	48, 651
Base from putrefaction	....	"	....	156	Salkowski	B., 16, 1193	44, 925
Diethylnitrosocarbamide	NHEt.CO.NEt.NO	$C_5H_{11}O_2N_3$	....	5	Fischer	B., 9, 111	29, 912
Isoamylic nitrate	$CHMe_2.CH_2.CH_2.O.NO_2$	$C_5H_{11}O_3N$	137	....	Rieckher	J. p. Ph., 14, 1	iv., 108
" "	"	"	*147–148*	....	Chapman & Smith	....	vi., 868
" "	"	"	148	....	Hofmann	A. C. [3], 23, 374	iv., 108
Tetramethylcarbamide ...	$CO.(NMe_2)_2$	$C_5H_{12}ON_2$	175–177	Liquid	Michler & Escherich	B., 12, 1164	36, 935
Diethylcarbamide	$CO(NHEt)_2$	"	....	106	Limpricht & Habich	A., 109, 105	
"	"	"	....	107	Hofmann	Z. C.—	vi., 1051
"	"	"	....	107·5–110	Zotta	A., 179, 101	29, 569
"	"	"	*263 c.*	*112·5*	Wurtz	R. [1862], 199	ii., 564
Dimethylpropylalkine	....	$C_5H_{13}ON$	124·5–126·5	....	Ladenburg	B., 14, 2407	42, 165
Hydroxyisoamylamine	$C_5H_{10}(OH).NH_2$	"	157–159	....	Radziszewski and Schramm	B., 17, 839	46, 1190
"	"	"	160	. ..	....	As., 7, 90	
Hydroxypropylethylamine	$C_3H_6(OH).NHEt$	"	160	....	Liebermann & Paal	B., 16, 533	44, 910
Diethylsemicarbazide	Unsymmetrical	$C_5H_{13}ON_3$	....	149	....	A., 199, 312	
Dimethylpropylglycoline	$CH_2(OH).CH(OH).CH_2.NMe_2$	$C_5H_{13}O_2N$	216–217	Liquid	Roth	B., 15, 1153	42, 1195
Taurobetaïn	....	$C_5H_{13}O_3N$	....	240	....	Z. P. C., 7, 35	
Bidimethylamidocarbamide	$CO(NH.NMe_2)_2$	$C_5H_{14}ON_4$	....	220	Renouf	B., 13, 2172	40, 152
Ammonium glutarate ...	$COO(NH_4)(CH_2)_3.COO(NH_4)$	$C_5H_{14}O_4N_2$	150	....	Bernheimer	G. I. [1882], 281	42, 1190
Dinitrodihydroxyquinone (nitranilic acid)	$C(OH)_2(NO_2)_2:O_2$	$C_6H_2O_8N_2$	....	d.w.m. 170	Nietzki	B., 10, 2147	34, 426
" "	"	"	$+xH_2O$	a. 100 +	"	"	"
Tetranitrodihydroxybenzene	$C_6(OH)_2(NO_2)_4$	$C_6H_2O_{10}N_4$	....	166	Henriques	A., 215, 335	44, 329
Nitrophenylene oxide ...	$C_6H_3(NO_2):O$	$C_6H_3O_3N$	....	150	....	A., 124, 250	v., 161
Nitroquinone....	$C_6H_3(NO)_2:O_2=5.4.1$	$C_6H_3O_4N$	....	232	Etard	A. C. (5), 22, 273	40, 583
Trinitrobenzene	$C_6H_3(NO_2)_3=?$	$C_6H_3O_6N_3$	....	106–108	Henriques	A., 215, 356	
"	" "	"	....	119	Salkowski & Rehs	B., 7, 373	27, 801
"	" =1.3.5	"	....	121–122	Hepp	B., 9, 403	30, 76
"	" "	"	....	121–122	"	B., 13, 2346	
"	" "	"	....	121–122	"	A., 215, 344	44, 316
"	" "	"	....	121–122 u.c.	Claus and Becker	B., 16, 1597	44, 1093
"	" =?	" (?)	....	145	Rinne and Zincke	B., 7, 871	27, 1163
Trinitrophenol	$OH.(NO_2)_3=?$	$C_6H_3O_7N_3$	....	90–104	Zehenter	M. C., 6, 523	48, 1235
"	" =1.3.4.6	"	....	96 u.c.	Henriques	A., 215, 331	44, 328
"	" =1.2.3.6	"	....	117–118	"	A., 215, 332	"
" (picric acid)	" =1.2.4.6	"	....	120	Faust	B., 6, 132	26, 635
" " "	" "	"	....	120	Henking	Z. C. [2], 8, 523	25, 483
" " "	" "	"	....	121–121·5	Thörner	B., 12, 1632	
" " "	" "	"	....	121·194	Mills	P. R. [1881], 205	
" " "	" "	"	....	*122·5*	Körner	Z. C. [2], 2, 662	vi., 910
" " "	" "	"	....	121–122	Hepp	G. J. C., 1880	vii., 929
" " "	" "	"	....	122·5	Post	B., 7, 331	27, 800
"	" =?	"	cf. B., 10, 524	174	Bautlin	B., 8, 22	28, 640
Trinitroresorcinol (styphnic acid)	$(OH)_2.(NO_2)_3=1.3.4.5.6$ or 1.3.2.4.6	$C_6H_3O_8N_3$	....	*175·5*	Stenhouse	P. R., 19, 410; C. N., 22, 98; 23, 193	24, 358; vii., 1043
" "	" "	"	....	174·5	Merz and Zetter	B., 12, 2035	38, 113
" "	" "	"	....	175	Griess	B., 7, 1224	
" "	" "	"	....	175·5	Typke	B., 16, 553	
Trinitrophloroglucinol	$(OH)_3.(NO_2)_3=1.3.5.2.4.6$	$C_6H_3O_9N_3$	....	158	Benedikt	B., 11, 1376	36, 58
"	" "	"	....	159–160	Benedikt & Hazura	M. C., 5, 667	48, 554
m-nitrodiazobenzolimide	$NO_2.C_6H_4.N:N.NH$	$C_6H_4O_2N_4$	....	52	Griess	P. T. [1864], (3), 708	iv., 449, 484
p- "	"	"	....	71	"	"	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Azimidonitrobenzene	$C_6H_3(NO_2).N.NHN$	$C_6H_4O_2N_4$	cf. A., 115, 252	211	Hofmann	P. R., 10, 496	iv., 484
Dinitrobenzene	$C_6H_4(NO_2)_2$=1.3	$C_6H_4O_4N_2$	....	84	Friedburg	C. N., 47, 52	**44**, 535
,, ...	,, ,,	,,	*297 c.*	....	Mayer and Städler	B., 17, 2649	**48**, 141
,, ...	,, ,,	,,	....	84·5	Rommier	B. S. [2], 18, 70	**25**, 1002
,, ...	,, ,,	,,	....	85	Petrieff	B., 6, 557	**26**, 1028
,, ...	,, ,,	,,	....	87	Rudnew	B., 4, 410	vii., 908
,, ...	,, ,,	,,	....	87	Salkowski	A., 174, 276 ; B., 5, 873	vii., 80, 908 ; **26**, 280
,, ...	,, ,,	,,	...	87	Petersen	B., 6, 368	**26**, 1133
,, ...	,, ,,	,,	....	87·5	Salkowski & Rehs	B., 7, 372	**27**, 801
,, ...	,, ,,	,,	....	89·1	Schiff	A., 223, 247	**46**, 1089
,, ...	,, ,,	,,	....	89·712	Mills	P. R. [1881], 205	
,, ...	,, ,,	,,	....	*89·8*	Körner	G. I., 4, 305	**29**, 207
,, ...	,, ,,	,,	....	89–90	Hübner, Babcock, and Schaumann	B., 12, 1345	**36**, 928
,, ...	,, ,,	,,	....	90	Henriques	A., 215, 379	**44**, 327
,, ...	,, ,,	,,	....	90–91	Hepp	B., 13, 2347	
,, ...	,, =?	,,	....	b. 100	....	....	i., 544
,, ...	,, =1.2	,,	....	117	Laubenheimer	B., 9, 1328	
,, ...	,, ,,	,,	....	117-118	Rinne and Zincké	B., 7, 1372	**28**, 255
,, ...	,, ,,	,,	....	*117·9*	Körner	G. I., 4, 305	**29**, 208
,, ...	,, =1.4	,,	....	170	Henriques	A., 215, 379	**44**, 327
,, ...	,, ,,	,,	....	171	Hepp	B. S. [2], 30, 4	**36**, 51
,, ...	,, ,,	,,	....	171–172	Rinne and Zincké	B., 7, 870	**27**, 1163
,, ...	,, ,,	,,	....	171-172	Henriques	A., 215, 379	**44**, 327
,, ...	,, ,,	,,	....	*172*	Körner	G. I., 4, 305	**29**, 208
Nitroethenylnitrofurfurane	$NO_2.C_4H_2O.CH:CH.NO_2$	$C_6H_4O_5N_2$	....	143–144	Priebs	B., 18, 1362	**48**, 971
Dinitrophenol	$HO.(NO_2)_2$=1.2.6	,,	....	61–62	Schneider	Z. C. [2], 7, 452	**25**, 241
,, ...	,, ,,	,,	....	61·843	Mills	P. R. [1881], 205	
,, ...	,, ,,	,,	....	63	Hübner, Babcock and Schaumann	B., 12, 1346	**36**, 928
,, ...	,, ,,	,,	....	63·9	Körner	G. I., 4, 305	**29**, 229
,, ...	,, ,,	,,	....	*63–64*	Hübner & Schneider	A., 167, 105	vii., 909, 929
,, ...	,, ,,	,,	....	64	Faust	B., 6, 132	**26**, 634
,, ...	,, ,,	,,	....	64	Hübner & Schneider	Z. C. [2], 8, 523	**25**, 483
,, ...	,, ,,	,,	....	64	Post	B., 7, 331	**27**, 800
,, ...	,, =1.4.5. (?)	,,	....	102–103	Andreae	J. p. [2], 21, 318	**38**, 467
,, ...	,, =1.3.5	,,	....	104	Cahours	A. C. [3], 25, 22	iv., 398
,, ...	,, ,,	,,	....	104	Laurent	A. C. [3], 3, 212	**24**, 222
,, ...	,, ,,	,,	....	104	Bantlin	B., 8, 22	**28**, 640
,, ...	,, ,,	,,	....	*104*	,,	B., 11, 2103	**36**, 238
,, ...	,, ,,	,,	....	105	Bolley	Z. C. [2], 7, 45	**24**, 222
,, ...	,, =1.2.4	,,	....	110–111	Wallach & Kiepenheuer	B., 14, 2618	
,, ...	,, ,,	,,	....	111·621	Mills	P. R. [1881], 2005	
,, ...	,, ,,	,,	....	112 ; 113	Bohn & Heumann	B., 15, 3038	**44**, 584
,, ...	,, ,,	,,	....	113	Hemilian	B., 8, 768	**29**, 918
,, ...	,, ,,	,,	....	112–114	Guareschi and Daccomo	B., 18, 1176	vii., 929
,, ...	,, ,,	,,	....	113–114	Hepp	B., 13, 2347	
,, ...	,, ,,	,,	....	113–114	Hübner & Schneider	Z. C. [2], 8, 523	**25**, 483
,, ...	,, ,,	,,	....	113–114	Bohn & Heumann	B., 17, 272	**46**, 1014
,, ...	,, ,,	,,	....	114	Wellgerodt	B., 9, 979	
,, ...	,, ,,	,,	....	114	Engelhardt and Latschinoff	Z. C. [2], 6, 232	vii., 147, 908
,, ...	,, ,,	,,	....	114	Faust	B., 6, 132	**26**, 634
,, ...	,, ,,	,,	....	114	,,	A. P. [3], 3., 103	**27**, 158
,, ...	,, ,,	,,	....	114	Post	B., 7, 331	**27**, 800
,, ...	,, ,,	,,	....	114	Salkowski	A., 174, 257	**28**, 367
,, ...	,, ,,	,,	....	114	Mertens	B., 10, 995	**32**, 605

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrophenol	$HO.(NO_2)_2$ =1.2.4	$C_6H_4O_5N_2$	....	114	Hübner, Babcock, and Schaumann	B., 12, 1346	**36**, 928
"	" "	"	....	*114*	Hübner	A., 210, 393	**42**, 507
"	" =1.3.4	"	....	*134*	Bantlin	B., 11, 2104	**36**, 238
"	" "	"	....	141	"	B., 8, 22	**28**, 640
"	" =1.2.3	"	....	144	"	B., 11, 2104	**36**, 238
Dinitroquinol	$(OH)_2.(NO_2)_2$ =1.4.5.?	$C_6H_4O_6N_2$	....	135–136 d.	Nietzki	B., 11, 471	**34**, 499
Dinitroresorcinol	" =1.3.4.6	"	cf. B. 16, 668	*142*	Benedikt and Hübl	M. C., 2, 323	**40**, 1133
" "	" "	"	cf. B. 16, 1101	142·5	Fevre	C. R., 96, 790	**44**, 733
" "	" =1.3.4.5	"	cf. B. 16, 668	210	Benedikt and Hübl	M. C., 2, 330	**40**, 1135
" "	" "	"	....	212·5	Typke	B., 16, 552	**44**, 917
" "	" "	"	....	214·5	Schiaparelli & Abelli	G. I., 13, 257 ; B., 16, 872	**46**, 175
Trinitraniline (picramide)	$NH_2.(NO_2)_3$ =1.2.4.6	$C_6H_4O_6N_4$	....	179–180	Clemm	Z. C. [1870], 444	
" "	" "	"	....	187	Salkowski	A., 174, 260	**28**, 366
" "	" "	"	....	*188*	Pisati	A., 92, 327	
" "	" "	"	....	188	Liebermann and Palm	B., 8, 378	
" "	" "	"	....	188	Mertens	B., 11, 843	
? base	....	C_6H_5ON	....	156	Proskauer and Sell	B., 9, 1264	**31**, 68
Nitrobenzene....	$C_6H_5.NO_2$	$C_6H_5O_2N$	205 (760) ; 121·2 (75); 116·2 (50) ; 102·5 (25) ; 98·1 (20) ; 93·0 (15) ; 87·0 (10) ; 79·1 (5) ; 68·2 (0)	....	Kahlbaum	B., 17, 1261	
"	"	"	205 (730)	....	Städeler	G. J. C. [1865], 409	
"	"	"	*209·4* (745·4)	....	Brühl	A., 200, 188	**38**, 296
"	"	"	210	....	Konovaloff	C. R., 95, 1284	**44**, 553
"	"	"	....	3	Schiff	A., 223, 247	**46**, 1089
"	"	"	213	3	Mitscherlich	P. A., 31, 625	i., 543
"	"	"	219–220	*3*	Kopp	A., 98, 369 ; 137, 169	"
"	"	"	220	....	Ramsay	35, 472	
"	"	"	....	3	Schmidt & Schultz	B., 12, 486	**36**, 631
Nitrosophenol	OH.NO =1.4	"	....	120–130 d.	Baeyer and Caro	A., 188, 360 ; B., 7, 811, 965	vii., 911 ; **28**, 84
a-Pyridine carboxylic acid (picolinic acid)	N.COOH =1.2	"	....	133·9 ; 134·5–136	Skraup	W. A., 82, 748	**40**, 744, 745
" "	" "	"	....	*134·5–136*	Weidel	B., 12, 1992	**38**, 268
" "	" "	"	....	134–135	Hantzsch	B., 18, 1748	
" "	" "	"	....	135·7–136	Skraup & Cobenzl	M. C., 4, 436	**44**, 1016
a- " "	" "	"	....	137	Goldschmidt and Constam	B., 16, 2979	**46**, 61
a- " "	" "	"	....	140	Skraup	W. A., 82, 748	**40**, 745
β- " " (nicotic acid)	" =1.3	"	....	225	Hoozewerff & Dorp	A., 207, 226	**42**, 311
β- " "	" "	"	....	225–226	"	B., 16, 426	
β- " "	" "	"	....	225–227 u.c.	Laiblin	B., 10, 2137	**34**, 432
β- " "	" "	"	....	228	Fischer	B., 15, 63	**42**, 627
β- " "	" "	"	....	*228–229*	Weidel	B., 12, 2004	**38**, 268
β- " "	" "	"	....	229	Pechmann & Welsh	47, 152	
β- " "	" "	"	....	229–230	Coninck	C. R., 92, 413	**40**, 444
β- " "	" "	"	....	229·5–230	Skraup	W. A., 82, 748	**40**, 744
β- " "	" "	"	....	230–231	Coninck	C. R., 92, 413	**40**, 443
?- " "	" = ?	"	....	a. 250	Gerichten	B., 14, 315	**40**, 445
γ- " " (isonicotic acid)	" =1.4	"	....	a. 287	Böttinger	B., 14, 69	
γ- " "	" "	"	....	298–299	Richter	R. K. T., 97	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
γ-Pyridine carboxylic acid (isonicotic acid)	N.COOH=1.4	$C_6H_5O_2N$	....	302·5	Skraup	W. A., 82, 748	**40**, 744
γ- „ „	„ „	„	....	303	Ladenburg and Schrœder	B., 17, 1122	**46**, 1048
γ- „ „	„ „	„	....	305	Ladenburg	B., 17, 772	**46**, 1196
γ- „ „	„ „	„	B., 12, 2332	305	Skraup	A., 201, 291	**36**, 410
γ- „ „	„ „	„	....	306	Behrmann & Hofmann	B., 17, 2697	**48**, 139
γ- „ „	„ „	„	....	307	Weidel and Russo	M. C., 3, 865	**44**, 484
γ- „ „	„ „	„	....	*309·5*	Weidel	M. C., 1, 41	
γ- „ „	„ „	„	....	310	Goldschmidt and Constam	B., 16, 2980	**46**, 61
Nitrophenol	OH.NO₂= ?	$C_6H_5O_3N$	....	−7 to+2	Post	B., 6, 399	**26**, 904
„ .... (4th)	„ „	„	205–207	31	Fittica	J. p. [2], 24, 54	**42**, 51
„ .... „	„ „	„	....	34–35	„	B., 13, 714	**40**, 47
„	„ =1.2	„	216	42	Hofmann	A., 103, 347	**iv.**, 394
„	„ „	„	....	44·392	Mills	P. R. [1881], 205	
„	„ „	„	....	44·8	Laubenheimer	B., 9, 1820	**31**, 594
„	„ „	„	....	44·8	Fittica	G.J.C. [1876], 383	
„	„ „	„	*214*	*45*	Fritsche	P. A. B., 16, 11	**iv.**, 394
„	„ „	„	....	45	Armstrong	24, 175	**25**, 868
„	„ „	„	....	45	Walker and Zincke	B., 5, 116	**25**, 418
„	„ „	„	214	45	Faust	B., 6, 132	**26**, 634
„	„ „	„	....	45	Petersen	B., 6, 368	**26**, 1133
„	„ „	„	....	45	Post & Brackebusch	B., 7, 164, 165	**27**, 475
„	„ „	„	....	45 ; 46	Körner	G. I., 4, 316	**27**, 476 ; **29**, 234 ; **vii.**, 929
„	„ „	„	....	45	Post	B., 7, 331	**27**, 800
„	„ „	„	....	45	Hübner	B., 7, 462 ; 8, 1221 ; A., 195, 1	**27**, 801 ; **29**, 594 ; **36**, 382
„	„ „	„	....	45	Augustin and Post	B., 8, 1557	**29**, 386
„	„ „	„	....	45	Goldstein	B. S. [2], 30, 434	**36**, 148
„	„ „	„	....	45	Natanson	B., 13, 416	**38**, 463
„	„ „	„	....	45	Armstrong & Prevost	B., 7, 922	**27**, 1164
„	„ „	„	....	45	Armstrong & Brown	B., 7, 923	„
„	„ „	„	....	45·2	Schiff	A., 223, 247	**46**, 1089
„	„ „	„	....	46	Armstrong	28, 520	
„	„ =1.3	„	....	95–96	Fittig and Bantlin	B., 7, 180	**vii.**, 908 ; **27**, 583
„	„ „	„	....	95–96	Körner	G. I., 4, 305	**29**, 234
„	„ „	„	*194* (70)	*96*	Bantlin	B., 11, 2100	**36**, 237
„ .... (5th)	„ = ?	„	....	105–106	Fittica	B., 13, 711, 1537	**40**, 47
„ .... „	„ „	„	....	108	„	J. p. [2], 24, 13	**42**, 51
„	„ =1.4	„	....	108	Richter	B., 4, 460	**vii.**, 907
„	„ „	„	....	abt. 110	Fritsche	J. p., 75, 257	**iv.**, 396
„	„ „	„	....	110	Walker and Zincke	B., 5, 116	**25**, 418
„	„ „	„	....	110	Post	B., 5, 853	**26**, 173
„	„ „	„	....	110	Faust	B., 6, 132	**26**, 634
„	„ „	„	....	110	Petersen	B., 6, 368	**26**, 1133
„	„ „	„	....	110	Post & Brackebusch	B., 7, 163, 331	**27**, 475, 800
„	„ „	„	....	110	Hübner	B., 7, 462	**27**, 802
„	„ „	„	....	110	Armstrong	B., 7, 925, 926	**25**,868; **27**, 1165
„	„ „	„	....	110–111	Körner	G. I., 4, 305	**29**, 234
„	„ „	„	....	111·455	Mills	P. R. [1881], 205	
„	„ „	„	....	114	Schiff	A., 223, 247	**46**, 1089
„	„ „	„	....	114	Wagner	B., 7, 77	**vii.**, 925, 929
„	„ „	„	....	114	Schmidt and Cook	K. L., 3, 41	**vii.**, 907
„	„ „	„	....	114	Fittig	B., 7, 280	**27**, 696
„	„ „	„	....	114	Baeyer and Caro	B., 7, 965	**28**, 84
„	„ „	„	....	*114*	Körner	G. I., 4, 305	**29**, 234
„	„ „	„	....	114	Hasse	B., 10, 2188	**34**. 416

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrophenol	$OH.NO_2$=1.4	$C_6H_5O_3N$	....	114	Hübner	B.,8,1221;A.195,1	29,594; 36, 381
"	"	"	....	114	Natanson	B., 13, 416	38, 463
"	"	"	....	115	Post and Mehrtens	B., 8, 1552	
"	"	"	....	115	Augustin and Post	B., 8, 1557	29, 386
Nitrosoresorcinol	$(OH)_2.NO$=1.3.?	"	....	d. 112–148	Fèvre	B., 16, 1101	
Nitroethenylfurfurane	$C_4H_3O.CH:CH.NO_2$	"	....	74–75	Priebs	B., 18, 1362	48, 971
β- Hydroxypicolinic acid	N.COOH.OH=1.2.?	"	....	250	Ost	J. p. [2], 27, 291	44, 795
γ- " "	" "	"	....	258	Bellmann	J. p. [2], 29, 1	46, 840
α- " "	" "	"	....	267	Ost	J. p. [2], 27, 289	44, 795
Hydroxynicotinic acid	" =1.3.6	"	....	301–302 d.	Königs and Geigy	B., 17, 589	48, 1195
" "	" "	"	....	302 d.	Feer and Königs	B., 18, 2399	
" "	" "	"	....	*303*	Pechmann & Welsh	47, 150	
Nitrosonitranilide	$C_6H_4.NO_2.NH(NO)$=1.2	$C_6H_5O_3N_3$	....	126	Plagemann	B., 15, 486	42, 973
Nitrocatechol....	$(OH)_2.NO_2$=1.2.3.	$C_6H_5O_4N$	....	86	Weselsky and Benedikt	M. C., 3, 386	42, 1200
"	" =1.2.4	"	....	157	Benedikt	B., 11, 362	34, 575
"	" "	"	....	*168*	Weselsky and Benedikt	M. C., 3, 387	42, 1200
Nitroresorcinol	" =1.3.2	"	....	85	Weselsky	M. C., 1, 894	
"	" "	"	....	88	Weselsky and Benedikt	W. A., 82, 1219	40, 726
"	" =1.3.4	"	....	*115*	Weselsky	M. C., 1, 894; A., 164, 1	25, 1007; vii., 1043
"	" "	"	....	115	Schiaparelli & Abelli	G. I., 13, 257	46, 174
"	" =1.3.5	"	....	d. w. m. 148	Fèvre	C. R., 96, 790	44, 733
Citrazinic acid	$N.(OH)_2.COOH$=1.2.6.4	"	n.d. 275	d.w.m.a. 300	Behrmann and Hofmann	B., 17, 2689	48, 139
Dinitraniline	$NH_2.(NO_2)_2$=1.2.6	$C_6H_5O_4N_3$	....	137·8	Körner	G. I., 4, 305	29, 212
"	" "	"	....	138	Salkowski & Rehs	B., 7, 371	27, 801
"	" "	"	....	*138*	Salkowski	A., 174, 273	28,367; vii.,909
"	" =1.2.4	"	....	174	Staedel	B, 14, 899; A., 217, 182	40,724; 44,864
"	" "	"	....	175	Rudnew	Z. C. [2], 7, 202	24, 712
"	" "	"	....	175	Clemm	Z. C. [2], 6, 444	vii., 145
"	" "	"	....	*175*	Salkowski	A., 174, 263	vii., 908
"	" "	"	....	176	Hübner	B., 10, 1708	34, 142
"	" "	"	....	177	Engelhardt and Latschinoff	Z. C. [2], 6, 233	vii., 147
"	" "	"	....	182	Schaumann	B., 12, 1345	
"	" "	"	....	182–183	Willgerodt	B., 9, 978	30, 405
"	" "	"	....	185	Gottlieb	A., 85, 26	iv., 448
Nitropyrogallol	$(OH)_3.NO_2$=1.2.3.?	$C_6H_5O_5N$	....	205 d.	....	M. C., 1, 882	
Amidodinitrophenol (picramic acid)	$OH.NH_2.(NO_2)_2$=1.2.4.6	$C_6H_5O_5N_3$	....	165	Girard	C. R., 36, 421	iv., 406
" "	" "	"	....	165	Dabney	A. C. J., 5, 20	46, 308
" "	" "	"	....	*167*	Hübner	A., 210, 392	42, 507
" "	" "	"	....	169–170	Stuckenberg	B., 10, 382	32, 474
" "	" =1.4.2.6	"	....	170 p.d.	Dabney	A. C. J., 5, 20	46, 308
" "	$NH_2.(NO_2)_2$=consecutive	"	....	202	Henriques	A., 215, 334	44, 329
Dinitropyrryl methylketone	$Me.CO.C_4NH_2(NO_2)_2$	"	....	114	Ciamician & Silber	B., 18, 1464	48, 993
" " "	"	"	$+H_2O$	106–107	"	"	"
Apotheobromine	....	" (?)	....	185	Maly & Andreasch	M. C., 3, 108	42, 633
Dinitroamido-resorcinol	$(OH)_2.NH_2.(NO_2)_2$=1.3.(?)$_3$	$C_6H_5O_6N_3$	....	190	....	M. C., 2, 326	
Trinitrodiamidobenzene	$(NH_2)_2.(NO_2)_3$=1.3.2.4.6	$C_6H_5O_6N_5$	....	very high	Nölting and Collin	B., 17, 260	46, 1004
Hydroxymethylpurine	$C_5N_4H_2Me.OH$	$C_6H_6ON_4$	....	233	Fischer	B., 17, 333	46, 996
Diacetyl dicyanide	$(CH_3CO.CN)_2$	$C_6H_6O_2N_2$	208–209	69	Hübner	A., 120, 336	vi., 23
" "	"	"	*210 c.*	*69*	Kleemann	B., 18, 257	48, 505
" "	"	"	170	69	....	A., 124, 315	
Nitraniline	$NH_2.NO_2$=1.2	"	....	38	Petersen	B., 6, 368	26, 1133
"	" "	"	....	64	Salkowski	A., 174, 278	vii., 908
"	" "	"	....	65	Sandmeyer	B., 18, 1494	25, 418
"	" "	"	....	66	Walker and Zincke	B, 5 114	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitraniline	$NH_2.NO_2$ =1.2	$C_6H_6O_2N_2$	....	66	Zincke	B., 7, 1374	**28**, 255
„	„ „	„	....	67	Stöver	B., 7, 1315	**28**, 271
„	„ „	„	....	70–71	Rinne and Zincke	B., 7, 1374	**28**, 255
„	„ „	„	....	71	Hübner	B., 9, 775	**30**, 309
„	„ „	„	....	71	„	A., 208, 301	**40**, 1131
„	„ „	„	....	71	Smith	A. C. J., 6, 172	**48**, 524
„	„ „	„	....	*71·5*	Körner	G. I., 4, 305	**29**, 210
„	„ „	„	....	71·5	Laubenheimer	B., 11, 1156	**34**, 975
„	„ „	„	....	77·5 (?)	Mixter	A. C. J., 5, 282	**46**, 666
„	„ =1.3	„	....	99 (?)	Salkowski	A., 174, 257	**28**, 367
„	„ „	„	....	107	Levinstein	D. P., 256, 471	**48**, 1127
„	„ „	„ „	....	108	Arppe	A., 90, 147; A., 93, 157	**iv.**, 446; **vii.**, 143, 944
„	„ „		....	108	Griess	18, 857	**vi.**, 921
„	„ „	„	....	108	Walker and Zincke	B., 5, 116	**25**, 418
„	„ „	„	....	108	Petersen	B., 6, 368	**26**, 1133
„	„ „	„	....	108	Hübner and Mears	B., 9, 775	**30**, 309
„	„ „	„	....	*109·9*	Körner	G. I., 4, 305	**29**, 210
„	„ „	„ „	285	110	Hofmann and Muspratt	A., 57, 204	**iv.**, 446
„	„ „	„	....	110	Lermontoff	B., 5, 235	**vii.**, 658; **25**, 503
„	„ „		....	110	Gabriel	B., 11, 2261	**36**, 324
„	„ „	„	....	111	Losanitsch	B., 15, 470	**42**, 955
„	„ „	„	....	112; 114	Hübner	A., 208, 278	**40**, 1130, 1131
„	„ „	„	....	116	Mixter	A. C. J., 1, 239	**40**, 1130
„	„ =1.4	„	....	140	Salkowski	A., 174, 257	**28**, 367
„	„ „	„ „	....	141	Arppe	A., 90, 147; A., 93, 157	**iv.**, 446
„	„ „		....	141	Griess	18, 857	**vi.**, 921
„	„ „	„	....	141	Biedermann	B., 7, 541	**27**, 808
„	„ „	„	....	*145·9*	Körner	G. I., 4, 305	**29**, 210
„	„ „	„	....	146	Sandmeyer	B., 18, 1492	**vii.**, 143
„	„ „	„ „	....	146	Walker and Zincke	B., 5, 115	**25**, 418; **vii.**, 944
„	„ „		....	146	Petersen	B., 6, 368	**26**, 1133
„	„ „	„	....	146	Salkowski	B., 7, 42	**27**, 467
„	„ „	„	....	146	Fittig	B., 7, 280	**27**, 696
„	„ „	„	....	146	Rinne and Zincke	B., 7, 871	**27**, 1163
„	„ „	„	....	146	Stöver	B., 7, 1315	**28**, 271
„	„ „	„	....	146	Hübner	A., 208, 278	**40**, 1130
„	„ „	„	....	148	Rhalis	A., 198, 99	**38**, 119
„	„ „	„	....	155	Hübner	A., 208, 278	**40**, 1131
„	„ = ?	„	....	175	„	B., 10, 1708	**34**, 142
Urocaninic acid	....	„	....	212–213 p.d.	Jaffe	B., 7, 1671; 8, 811	**28**, 479
Succinocyamide	$C_2H_4(CO.NH.CN)_2$	$C_6H_6O_2N_4$	....	104–105	Möller	J. p. [2], 22, 220	**40**, 259
Dehydromucamide	$C_4H_2O(CONH_2)_2$	$C_6H_6O_3N_2$	....	n.f. 240	Klinkhardt	J. p. [2], 25, 48	**42**, 498
Amidonitrophenol	$OH.NH_2.NO_2$ =1.2.6	„	cf. A, 205, 85	110–111	Stuckenberg	B., 10, 387	**32**, 475
„	„ =1.2.4	„	....	133–134	Barbaglia	B., 7, 1259	**28**, 273
„	„ „	„	....	142–143	....	A., 75, 68; 205, 72	
„	„ „	„	$+xH_2O$	80–90	....	„	
„	„ =1.4.?	„	....	206	Hübner	A., 210, 382	**42**, 506
„	„ „	„	$+H_2O$	183	„	„	„
β-Nitropyrryl methyl ketone	$Me.CO.C_4NH_3.NO_2$	„	....	156	Ciamician & Silber	B., 18, 1465	**48**, 993
α- „ „ „	„	„	....	196–197	„	B., 18, 413	**48**, 810
α- „ „ „	„	„	....	*197*	„	B., 18, 1458	**48**, 993
Methyluric acid	$C_5H_3MeO_3N_4$	$C_6H_6O_3N_4$	....	a. 360	Hill	B., 9, 371	**30**, 75
Nitroamidoresorcinol	$(OH)_2.NO_2.NH_2$ =1.3.(?)$_2$	$C_6H_6O_4N_2$	....	170	Benedikt and Hubl	M. C., 2, 324	**40**, 1133
Dinitrodiamidobenzene	$(NO_2)_2.(NH_2)_2$ =?	$C_6H_6O_4N_4$	....	210–211	Norton and Elliott	B., 11, 327	**34**, 417
„	„ =(?)$_2$.1.4	„	....	294	Ledoux	B., 7, 1532	
Eulyte....	....	$C_6H_6O_7N_4$	....	99·5 c.	Bassett	Z. C. [1871], 701	**25**, 99
Hydroxylamine picrate	$NH_2(OH).C_6H_2.OH.(NO_2)_3$	$C_6H_6O_8N_4$	..	100	Lossen	Z. C. [2]	**vi.**, 723

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrodulcitan (cf. J., 1860, 522)	....	$C_6H_6O_{12}N_4$	....	120–130	....	B. S., 22, 179	
Amidophenol.... .... (4th)	$C_6H_4.OH.NH_2 = ?$	C_6H_7ON	....	150; 151	Fittica	B., 13, 713, 1536	**40**, 47
"	" =1.2	"	....	170	....	A., 103, 352	
"	" =1.3	"	....	d.	Bantlin	B., 11, 2101	
"	" =1.4	"	....	184 d.	Richter	R. K. T., 101	
Methoxypyridine	C_6H_4MeON	"	190·5–191	....	Haitinger & Lieben	M. C., 6, 279	**48**, 966
Methyl hydroxypyridine	"	"	....	89	"	"	"
Acetylpyrroline	CH : CH.CAc.NH.CH	"	177–178	Liquid	Ciamician & Dennstedt	G. I., 13, 455	**46**, 290
"	....	"	181–182 c.	Liquid	Ciamician & Silber	B., 18, 881	**48**, 808
Pseudoacetyl pyrroline	CH : CAc.CH.NH.CH	"	220	90	Ciamician & Dennstedt	G. I., 13, 455	**46**, 290
" "	CH : CH.CH.NAc.CH	"	....	90	Schiff	B., 10, 1501	**34**, 216
Methylic α-carbopyrrolate	$C_4H_4N.COOMe$	$C_6H_7O_2N$	....	73	Ciamician & Silber	B., 17, 1152; G. I., 14, 162	**46**, 1044; **46**, 246
" "	"	"	....	73	Ciamician & Magnaghi	B., 18, 1832	
α-Methyl carbopyrrolic acid	$C_4H_3MeN.COOH$	"	....	135	Bell	B., 10, 1866	**36**, 525
β- " " "	"	"	....	142·4	Ciamician	B., 14, 1056	
γ- " " "	"	"	....	169·5	"	"	
Nitrodiamidobenzene ...	$(NH_2)_2.NO_2$ =1.2.4	$C_6H_7O_2N_3$	....	137	Ladenburg	B., 17, 149	**46**, 738
"	" =1.3.?	"	....	161	Barbaglia	B., 7, 1259	**26**, 273
"	" =1.4.6	"	....	195	Ladenburg	B., 17, 148	**46**, 738
"	" "	"	....	195	Ledoux	B., 7, 1533	
Hypocaffeïne	COO.CH.NMe.CO.N : C.NMe	$C_6H_7O_3N_3$	....	181	Fischer	B., 14, 643, 1906	**40**, 614
"	" "	"	..	*182*	"	A., 215, 253	**44**, 356
Pyrrylmethyl acetoxime	$NH : C_4H_3\ CMe : N.OH$	$C_6H_8ON_2$	....	145–146	Ciamician & Dennstedt	B., 17, 432, 2945	**46**, 1044
From Cyanomethine....	$C_6H_7N_2.OH$	"	....	194	Meyer	J. p. [2], 27, 154	**44**, 654
Anhydro-diacetyl acetamidil	....	"	....	253	Pinner	B., 17, 175	**46**, 723
Methyl succinylcarbamide	$CO.C_2H_4.CO.NH.CO.NMe$	$C_6H_8O_3N_2$	....	147–148	Menschutkin	A., 178, 209	**29**, 380
Ethylbarbituric acid....	CO.CHEt.CO.NH.CO.NH	"	....	190	Conrad & Guthzeit	B., 15, 2846	**44**, 314
Dimethylbarbituric acid	$CO.CH_2.CO.NMe.CO.NMe$	"	....	123	Mulder	B., 12, 467	
" "	$CO.CMe_2.CO.NH.CO.NH$	"	....	w. m. 200	Conrad & Guthzeit	B., 14, 1643	**40**, 1033
" "	"	"	....	*265*	Thorne	39, 546	
Dimethylalloxan	$CO.NMe.CO.NMe.CO.C(OH)_2$	$C_6H_8O_6N_2$	viscous 105	d. a. 105	Maly & Andreasch	M. C., 3, 93	**42**, 631
Ammonium picramate	$C_6H_2.ONH_4.NH_2.(NO_2)_2$	$C_6H_8O_5N_4$	....	165	Girard	C. R., 36, 421	iv., 407
Dulcitol hexnitrate (nitrodulcite)	$C_6H_8(O.NO_2)_6$	$C_6H_8O_{18}N_6$	....	68–72	Bechamp	C. R., 51, 257	ii., 351
" " "	"	"	....	*85·5*	....	B. S., 22, 179	
" " "	"	"	....	*108*	Richter	R. K. T., 103	
Mannitol hexnitrate (nitromannite)	"	"	....	112–113	Sokoloff	B., 12, 698	**36**, 778
Isovaleryl cyanide	....	C_6H_9ON	145–150	....	....	A., 131, 74	
Hydroxypicoline	....	"	155	Liquid	Etard	C. R., 92, 460	**40**, 1046
Isobutylic cyanocarbonate	$NC.COO.CH_2.CHMe_2$	$C_6H_9O_2N$	146	....	Weddige	J. p. [2], 10, 201	**28**, 448
" paracyanocarbonate	....	(")$_n$	....	158	"	J. p. [2], 10, 215	**28**, 449
Ethyl succinimide	$CO.CH_2.CH_2.O.NEt$	"	232–234	l. —12	Landsberg	A., 215, 172	**44**, 477
" "	"	"	234	20–24	Menschutkin	A., 178, 201	**29**, 380
" "	"	"	*234*	*26*	"	A., 182, 90	**30**, 626
Dimethyl succinimide	$CO.CH_2.CMe_2.CO.NH$	"	sb. 60	105–107	Pinner	B., 14, 1076	**40**, 797
Ethylic acetcyanacetate	CHAc(CN).COOEt	$C_6H_9O_3N$	....	26	Hallard and Held	C. R., 95, 235	**42**, 1280
Triacetamide	$N\bar{A}c_3$	"	....	78–79	Wichelhaus	B, 3, 848	**24**, 407; vii., 3

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trimethylic cyanurate	....	$C_6H_9O_3N_3$	*160–170*	*132*	Hofmann and Olshausen	P. R., 18, 493	**vii.**, 409
" "	....	"	....	132	Hofmann	B., 3, 271, 765	**24**, 136
" "	....	"	274	175–176	Wurtz	A. C. [3], 42, 62	**ii.**, 293
" "	....	"	....	175	Hofmann	B., 3, 272, 765	**24**, 136
" "	....	"	....	*175*	"	P. R. S., 18, 493	**vii.**, 409
Ethylic diazosuccinamate ...	$NH_2.CO.CN_2.CH_2.COOEt$	"	....	110–112 d.	Curtius and Koch	B., 18, 1298	**48**, 886
Hydrocaffuric acid	$NHMe.C:N.CO.NMe.CH.CO_2H$	"	....	*245*	Fischer	B., 14, 1910	**42**, 217
" "	"	"	....	240–248	"	A., 215, 253	**44**, 356
Pseudodiazo-acetamide	$(C_2H_3ON_3)_3$	$C_6H_9O_3N_9$	....	170 d.	Curtius	B., 18, 1290	**48**, 884
Ethylic acetoxamate....	NHAc.CO.COOEt	$C_6H_9O_4N$	....	54	Kretzschmar and Salomon	J. p. [2], 9, 299	**27**, 790
" "	"	"	....	54	Kretzschmar	C. C. [1876], 233	**31**, 614
" nitroso-aceto-acetate	Ac.CH(NO).COOEt	"	....	52–54	Meyer and Zublin	B., 11, 320	**34**, 487
" imidosuccinate ...	COOH.CH.NH.CH.COOEt	"	....	100	Lehrfeld	B., 14, 1822	**42**, 164
Caffuric acid	....	$C_6H_9O_4N_3$	....	210–220 d.	Fischer	B., 14, 1909	**42**, 217
Ethylic oximidosuccinate	$COOH.C_2H_2(N.OH).COOEt$	$C_6H_9O_5N$	....	110–111 d.	Ebert	A., 229, 45	**48**, 1122
Amidotriglycollic acid	$N(CH_2.COOH)_3$	$C_6H_9O_6N$	....	a. 190, d.	Heintz	A., 122, 269	**vi.**, 646
Citramic acid....	$C_3H_5O(CO.NH_2)(COOH)_2$	"	....	138	Behrmann and Hofmann	B., 17, 2687	**48**, 138
Xyloidin	$C_6H_9(NO_2)_5$	$C_6H_9O_7N$	....	b. 180	....	....	**v.**, 1060
Nitroisodulcitol	....	$C_6H_9O_{11}N_3$	....	b. 100	....	A., 127, 364	
Mannitol pentanitrate	$(C_6H_8(OH)(O.NO_2)_5$	$C_6H_9O_{16}N_5$	....	77–79	....	J. [1864], 583	
Diethyl carbamine cyanide....	$NC.CO.NEt_2$	$C_6H_{10}ON_2$	219–220	Liquid	Wallach	B., 14, 737	**40**, 717
Ethylic ethyl cyanamido-carbonate	N(CN)Et.COOEt	$C_6H_{10}O_2N_2$	abt. 213	Liquid	Bässler	J. p. [2], 16, 160	**34**, 215
Sarcosine anhydride	$NMe.CH_2.CO.NMe.CH_2.CO$	"	350	149–150	Mylius	B., 17, 287	**46**, 994
Dimethyl allantoïn	....	$C_6H_{10}O_3N$	....	225	Cloez	I. D., Paris, 1866	**vi.**, 520
Ethylic amidomaleamate ...	$NH_2.CO.CH:C(NH_2).COOEt$	$C_6H_{10}O_3N_2$	....	62 u.c.	Claus and Voeller	B., 14, 152	**40**, 254
" imidosuccinamate	$NH_2.CO.CH.NH.CH.COOEt$	"	....	118	Lehrfeld	B., 14, 1821	**42**, 163
" α-β-diisonitrosobutyrate	$CH_3.C(N.OH).C(N.OH).COOEt$	$C_6H_{10}O_4N_2$	....	140 d.	Ceresole & Köckert	B., 17, 821	**46**, 1121
" dicarboxylamide carboxylate	$CH(CONH_2)_2COOEt$	"	....	190–191	Amato	G. I. ?, 690	**25**, 401
Citrodiamic acid	$C_3H_5O(CO.NH_2)_2.COOH$	$C_6H_{10}O_5N_2$	....	158	Behrmann and Hofmann	B., 17, 2685	**48**, 138
Dinitrohexylic acid	$CH_3.C(NO_2)_2.CMe_2.COOH$	$C_6H_{10}O_6N_2$	....	215	Kachler	A., 191, 144, 155	**34**, 513
Tetranitrodulcitol	$C_6H_{10}(NO_2)_4O_6$	$C_6H_{10}O_{14}N_4$	....	130–140	Bechamp	C. R., 51, 257	**ii.**, 351
Amylic cyanate	$CHPr_{\beta}Me.O.CN$	$C_6H_{11}ON$	100–120	Liquid	Wurtz	C. R.,	**vi.**, 114
Isoamylic "	$C_5H_{11}.O.CN$	"	abt. 100	....	"	A. C. [3], 42, 43	**ii.**, 195
" "	"	"	134–135	Liquid	Custer	B., 12, 1329	**36**, 913
" "	....	"	200	....	Hofmann and Olshausen	B., 3, 275	
Ethoxybutyronitril	$Me.CH(OEt).CH_2.CN$	"	173	....	Pinner	B., 12, 2053	**38**, 99
"	"	"	*173–174*	....	Rinne	B., 6, 389	
Allyl acetoxime	$C_6H_{10}:N.OH$	"	187·5 c.	Liquid	Nägeli	B., 16, 496	**14**, 728
Mesityloxime....	"	"	180–190 p.d.	Liquid	"	B., 16, 495	"
Ethyldiacetamide	$NEtAc_2$	$C_6H_{11}O_2N$	185–192	....	Wurtz	A. C. [2], 42, 55	
Ethylic amidoaceto-acetate....	cf. Z.C. 1871, 246	"	....	90	....	J. [1863], 325	
Ethylic paramido-aceto-acetate	....	"	212–214	*20–21*	Duisberg	B., 15, 1386	**42**, 1193
" "	....	"	cf. A., 213, 172	25–28	Precht	B., 11, 1194	**34**, 971
Ammonium ethylene dimethylene carbonate	....	"	....	a. 63	Geuther	J. [1875], 302	**34**, 971
Nitrosopropylacetone ...	$Me.CO.CH(NO).Pr^{\alpha}$	"	....	49·5	Treadwell	B., 14, 2159	**44**, 572
Isonitrosoisopropylacetone	$Me.CO.C(N.OH).Pr^{\beta}$	"	....	75	Westenberger	B., 16, 2992	**46**, 581
Acecaffeïne	....	$C_6H_{11}O_2N_3$	....	110–112	Fischer	A., 215, 253	**41**, 356
Ethylic acetamidoacetate	$NHAc.CH_2.COOEt$	$C_6H_{11}O_3N$	260 (712)	48	Curtius	B., 16, 753; 17, 1673	**44**, 1087; **46**, 1307

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Isobutylic oxamate	$NH_2.CO.COOBu^\beta$	$C_6H_{11}O_3N$	....	89–90	Wallach and Liebmann	B., 13, 507	**38**, 557
„ „	„	„	....	*90*	Geuther	J. [1863], 324	**vi.**, 601
Ethylic ethyloxamate	NHEt.CO.COOEt	„	244–246 u.c.	Liquid	Wallach	B., 8, 762	**28**, 1187
„ „	„	„	244–246	Liquid	Wallach and West	A., 184, 60	**32**, 186
„ dimethyloxamate	$NMe_2.CO.COOEt$	„	240–250	....	....	A., 217, 137	
„ „	„	„	*242–245*	....	Ladenburg	B., 14, 2130	
„ „	„	„	250–260	....	Hofmann	J. [1862], 329	**iv.**, 281
Diethyloxamic acid	$NEt_2.CO.COOH$	„	....	a. 80	Heintz	A., 127, 53	**40**, 718
„ „	„	„	....	*99–101*	Wallach	B., 14, 743	„
Methyl succinuramide	$NH_2.CO.CH_2.CH_2.CO.NH.CO.NHMe$	$C_6H_{11}O_3N_3$	....	205–207	Menschutkin	A., 178, 210	**29**, 380
Diethylic carboxylocarbamate	$NH(COOEt)_2$	$C_6H_{11}O_4N$	226 (760); 144–146 (20)	49–50	Wurtz & Henninger	C. R., 100, 1419	**48**, 969
Ethylamidodiglycollic acid	$NH(CH_2.COOH)(CHEt.COOH)$	„	200–220	Liquid	Heintz	A., 145, 214	**vi.**, 646
Nitrohexylic acid	$CH_3.C(NO_2).CMe_2.COOH$	„	....	116; af. 111·5	Kachler	A., 191, 159	**34**, 514
Citramide	$C_6H_5O_4(NH_2)_3$	$C_6H_{11}O_4N_3$	brown a. 200	210–215	Behrmann and Hofmann	B., 17, 2685	**48**, 138
Diglycollamic diuramide	$(NH_2.CO.NH.CO.CH_2)_2NH$	$C_6H_{11}O_4N_5$	....	195–200	Mulder	B., 6, 1016	**27**, 48
Oximido-ether	HN : C(OEt).C(OEt) : NH	$C_6H_{12}O_2N_2$	170	25	Pinner and Klein	B., 11, 1482	**36**, 47
Propionylethylcarbamide	$NHEt.CO.NH.C_3H_5O$	„	....	100	Hofmann	B., 15, 754	**42**, 1052
Isovaleryl carbamide	$NH_2.CO.NH(C_5H_9O)$	„	....	191	....	A., 94, 102	**i.**, 753
Di-(acetamido)-ethylidene	$CH_3.CH(NHAc)_2$	„	....	169	Tawildarow	B., 5, 477	**26**, 58; **vii.**, 3, 32
Isodiethyloxamide	$NEt_2.CO.CO.NH_2$	„	266–268 u.c.	126–127	Wallach	B., 14, 735	**40**, 717
Dimethylsuccinamide	$NHMe.CO.(CH_2)_2.CO.NHMe$	„	....	*175*	Wallach & Kamenski	B., 14, 170	**40**, 285
„	„	„	....	175	Henry	C. R., 100, 943	**48**, 887
„ ...	$NH_2.CO.(CHMe)_2.CO.NH_2$	„	....	n.f. 260	....	J. p. [2], 26, 359	
Adipamide	$NH_2.CO.(CH_2)_4.CO.NH_2$	„	....	220	Henry	C. R., 100, 943	„
Diisonitroso-acetonyl acetone	$HON : CMe.(CH_2)_2.CMe : NOH$	„	....	134–135	Paal	B., 18, 59	**48**, 505
Methylpropylglyoxime	$Me.C(NOH) C(NOH).Pr^\alpha$	„	....	168	Schramm	B., 16, 2185	**46**, 52
Ethylazaurolic acid	....	$C_6H_{12}O_2N_4$ (?)	....	142	Meyer & Constam	A., 214, 328	**44**, 40
Triaceto-diamide	$N_2H_3Ac_3$	$C_6H_{12}O_3N_2$	212–217	....	Gautier	A., 150, 189	**vi.**, 524
Sarcosine anhydride	$(NHMe.CH_2.CO)_2O$	„	....	143–146	Traube	B., 15, 2112	**44**, 192
Oxalyl diethylnitrosohydrazine	....	$C_6H_{12}O_4N_6$	....	144–145 d.	....	A., 199, 298	
Acetyl diethylamide	NEt_2Ac	$C_6H_{13}ON$	185–186	....	Wallach	A., 214, 235	**44**, 49
Capro-amide	$CH_3.(CH_2)_4.CO.NH_2$	„	....	120	Hofmann	B., 15, 983	
„	$C_5H_{11}.CO.NH_2$	„	255	....	Henry	B., 2, 495	
Isocaproamide	$CHMe_2.CH_2.CH_2.CO.NH_2$	„	....	100	Hofmann	B., 15, 983	
Caproamide	$CHMePr^\alpha.CO.NH_2$	„	....	95	Kelbe and Warth	B., 15, 311	**42**, 711
Methyl butylacetoxime	$CMe_3.CMe : N.OH$	„	....	74–75	Janny	B., 15, 2780	**44**, 580
Piperyl-semicarbazide	$C_5H_{10}N.NH.CO.NH_2$	$C_6H_{13}ON_3$	....	136	Knorr	A., 221, 297	**46**, 468
Isoamylic carbamate	$NH_2.COO(C_5H_{11})$	$C_6H_{13}O_2N$	220	66	....	A., 71, 106	**i.**, 750
Ethylic propylcarbamate	$NHPr^\alpha COOEt$	„	186	....	Schreiner	J. p. [2], 20, 125	**38**, 312
Methylamidovaleric acid	$CHMe_2.CH(NHMe).COOH$	„	....	w.m.a. 120	Duvillier	A. C. [5], 21, 433	**40**, 713
α-amidocaproic acid (Leucine)	$CH_3.(CH_2)_3.CH(NH_2).COOH$	„	....	*170*	Schwanert	A., 102, 221	**iii.**, 581
„ „	„	„	....	w. m. 170	Mülder	J. p., 16, 290	„
Amidocaproic acid	$C_5H_{10}(NH_2).COOH$	„	....	210	Köhler	A., 134, 36	**vi.**, 782
„ „	„	„	....	w. m. 210	Nencki	J. p. [2], 15, 390	**32**, 596
α-ethoxybutyramide....	$CH_3.CH_2.CH(OEt).CO.NH_2$	„	....	68–70	....	A. C. [5], 17, 542	
β- „	$CH_3.CH(OEt).CH_2.CO.NH_2$	„	....	71	Pinner	B., 12, 2057	**38**, 99
α-hydroxycaproamide	$C_4H_9.CH(OH).CO.NH_2$	„	....	140–142	....	J. R., 12, 367	
Hexylnitrous acid	$C_6H_{13}.NO_2$(?)	„ (?)	212 (763) p.d.	Liquid	Chancel	C. R., 100, 601	**48**, 647
Trimethyl α-propiobetaïne ...	$NMe_3.CHMe.CO.O$	„	begins 210	....	Brühl	B., 9, 40	**29**, 699
Diethylglyoxylamide ...	$CH(OEt)_2.CO.NH_2$	$C_6H_{13}O_3N$	....	76·5	....	Z. C. [1870], 168	
„	„	„	....	*81–82*	Pinner and Klein	B., 11, 1477	**36**, 47
Isoamylcarbamide	$NH_2.CO.NH(CH_2)_2CHMe_2$	$C_6H_{14}ON_2$	....	88–91	Custer	B., 12, 1330	**36**, 913
Amyl carbamide	$NH_2.CO.NH.CH_2.C_4H_9$	„	....	120	Wurtz	B. S. [2], 7, 141	**vi.**, 1116

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Amyl carbamide	$NH_2.CO.NH.CHMe.C_3H_7$	$C_6H_{14}ON_2$	cf. A., 139, 328	151	Wurtz	B. S. [2], 7, 141	vi., 1116
Nitrosodipropylamine	$O:N.NPr_2^a$	„	200–205	....	Siersch	A., 144, 144	vi., 965
? ...	....	$C_6H_{14}O_5N_2$	....	152	Ehrenberg	J. p., 32, 97	48, 1192
Aceto-ethyl-nitrate	....	$C_6H_{14}O_7N_2$	84–86	....	Nadler	A., 116, 173	
Hydroxypropylpropylamine	$NHPr^a.C_3H_6.OH$	$C_6H_{15}ON$	174–177	30	Liebermann & Paal	B., 16, 532	44, 910
Triethylalkamine	cf. B., 14, 1878	„	161	Liquid	Ladenburg	C. R. 93, 338	40, 1158
Diacetonalkamine	....	„	174–175	....	Heintz	A., 183, 293	31, 592
Ammonium pseudodiazoacetamide	$(C_2H_3ON_3)_3.2NH_3$	$C_6H_{15}O_3N_{11}$	....	155 d.	Curtius	B., 18, 1290	48, 884
Acid ammonium propionate	$(Et.COONH_4+Et.COOH)$	$C_6H_{15}O_4N$	....	45	Sestini	Z. C. [2], 7, 34	24, 235; vii., 1010
Trinitrobenzoic acid....	$COOH.(NO_2)_3$=1.2.4.6(?)	$C_7H_3O_8N_3$	....	190	Tiemann & Judson	B., 3, 224	vii., 166
Trinitrohydroxybenzoic acid	$COOH.OH.(NO_2)_3$=1.3.(?)$_3$	$C_7H_3O_9N_3$	$+H_2O$	105	Schardinger	B., 8, 1491	29, 584
Nitrobenzonitril	$CN.NO_2$=1.2	$C_7H_4O_2N_2$	....	*109*	Hübner	B., 10, 1713	34, 140
„	„ „	„	....	109	Sandmeyer	B., 18, 1495	
„	„ „	„	....	109	Bärthlein	B., 10, 1713	
„	„ „	„	....	109–110	Gabriel and Meyer	B., 14, 2338	
„	„ =1.3	„	cf. A., 149, 297	115	Engler	Z. C. [2], 4, 613	vi., 526
„	„ „	„	....	*115*	Sandmeyer	B., 18, 1494	
„	„ „	„	....	115	Fricke	B., 7, 1321	
„	„ „	„	....	115–117	Gabriel	B., 16, 522	44, 916
„	„ „	„	....	117	Schöpf	B., 18, 1063	48, 896
„	„ „	„	....	117–118	....	A., 146, 336	
„	„ =1.4	„	cf. A., 149, 298	139	Engler	Z. C. [2], 4, 613	vi., 526
„	„ „	„	....	146	Sandmeyer	B., 18, 1493	
„	„ „	„	....	147	Bruyn	R. T., 2, 238	48, 658
„	„ „	„	....	*147*	Fricke	B., 7, 1322	28, 272
Nitrohydroxybenzonitril	$OH.CN.NO_2$=1.3.?	$C_7H_4O_3N_2$	....	182–183	Smith	J. p. [2], 16, 228	34, 72
Dinitrobenzoic acid	$COOH.(NO_2)_2$=1.3.4	$C_7H_4O_6N_2$	....	*161 u. c.*	Claus & Halberstadt	B., 13, 816	38, 647
„ „	„ =1.2.5	„	....	*177*	Griess	B., 7, 1224	28, 263
„ „	„ =1.2.4	„	....	179	Michler	B., 7, 422; A., 175, 150	27, 695; 28, 644
„ „	„ „	„	....	*179*	Griess	B., 7, 1225	28, 263
„ „	„ „	„	....	179	Tieman and Judson	A., 173, 145, 176; B., 3, 223	28, 757; vii., 165
„ „	„ „	„	....	179	Hübner & Stromeyer	B., 13, 461	
„ „	„ „	„	....	179	Hübner	A., 222, 67	
„ „	„ „	„	....	181	Claus & Halberstadt	B., 13, 816	
„ „	„ =1.2.6	„	....	*202*	Griess	B., 7, 1225	28, 263
„ „	„ =1.3.5	„	....	201	Staedel	A., 217, 194	44, 865
„ „	„ „	„	....	202	Tieman and Judson	B., 3, 224	vii., 165
„ „	„ „	„	....	202	Beilstein and Kurbatow	B., 13, 355	38, 471
„ „	„ „	„	....	203–204	Staedel	B., 14, 902	40, 725
„ „	„ „	„	....	203–204	Gattermann	B., 18, 1485	
„ „	„ „	„	....	204	Michler	A., 175, 152	28, 644
„ „	„ „	„	....	204–205	Muretow	Z. C. [2], 6, 641	vii., 165
„ „	„ „	„	....	204–205	Hübner	B., 10, 1703	34, 148
„ „	„ „	„	....	*205*	„	A., 222, 67	46, 314
Methylene dinitrocatechol	$CH_2:O_2:C_6H_2(NO_2)_2$=1.2.(?)$_2$	„	cf. A., 199, 75	101 u.c.	Jobst and Hesse	B., 11, 1034	34, 733
Dinitrosalicylic acid	$COOH.OH.(NO_2)_2$=1.2.(?)$_2$	$C_7H_4O_7N_2$	....	157–158	....	A., 69, 230; 78, 8	
„ „	=1.2.(?)$_2$	„	....	165	Salkowski	A., 173, 43	28, 71
„ „	„ =1.2.3.5	„	....	*173*	Hübner	A., 195, 47	36, 382
„ „	„ „	„	....	173	Hübner & Babcock	B., 12, 1345	
Dinitrohydroxybenzoic acid	„ =1.4.3.5.(?)	„	....	235 d.	Salkowski	B., 4, 225	24, 556
„ „	„ „	„	....	*235–237*	„	A., 163, 36	25, 716
Phenylic isocyanate (carbanil)	$Ph.N:CO$	C_7H_5ON	*163*	Liquid	Hofmann	P. R., 19, 108; B., 3, 655	24, 139; vii., 407
„ „ „	„	„	163 c.	....	Weith	B., 9, 821	30, 639
„ „ „	„	„	160–165	....	Richter	R. K. T., 139	
„ „ „	„	„	166 (769)	....	Hofmann	B., 18, 765	48, 774
„ „ „	„	„	178–180	Liquid	„	A., 74, 9	ii., 196

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hydroxybenzonitril	OH.CN=1.3	C_7H_5ON	....	*82*	Griess	B., 8, 859	**28**, 1261
"	" "	"	....	82	Smith	J. p. [2], 16, 221	**34**, 72
"	" =1.4	"	....	112–113	Klepl	J. p., 28, 193	**46**, 447
"	" "	"	....	113	Hartmann	J. p. [2], 16, 55	**32**, 896
"	" =1.2	"	....	195	....	B. S., 13, 26	
"	" "	(")n	....	280-285	Grimaux	B. S. [2], 13, 25	**vi.**, 1012
Methenylamidophenol	C_6H_4.N : CH.O=1.2	"	182·5	30·5	Ladenburg	B., 10, 1124	**32**, 752
Anthranil	C_6H_4.NH.CO or C_6H_4.N : C.OH=1.2	"	210–215 d.	L. — 18	Friedländer and Henriques	B., 15, 2105	**44**, 188
Nitrosoindazole	....	$C_7H_5ON_3$	....	73	Fischer and Fafel	A., 227, 303	**48**, 541
Salicylimide	C_6H_4.CO.NH.O=1.2	$C_7H_5O_2N$	....	n.f. 200	Limpricht	A., 98, 261	**v.**, 167
Oxycarbanil	CO : N.C_6H_4.OH=1.2	"	....	136–138	Grenvik	B. S. [2], 25, 177	**31**, 473
Diazobenzoimide	C_6H_4.N_2.NH.O.CO=1.2	$C_7H_5O_2N_3$	....	145	Griess	Z. C. [2], 3, 165	**vi.**, 259
"	" =1.3	"	....	160	"	Z. C. [2], 3, 164	**vi.**, 258
"	" =1.4	"	....	185	"	"	**vi.**, 259
Benzoyl nitrite	C_6H_5.CO.NO_2	$C_7H_5O_3N$	....	Liquid	Lippmann and Hawliczek	B., 9, 1464	**31**, 315
Nitrobenzaldehyde	COH.NO_2=1.2	"	....	*43·5–44·5*	Gabriel and Meyer	B., 14, 829	**40**, 730
"	" "	"	....	46	Bertagnini	A., 79, 260	**i.**, 570
"	" "	"	....	46	Friedländer and Henriques	B., 14, 2803	**42**, 840
"	" =1.3	"	....	56–57	Gabriel	B., 15, 838	**42**, 1070
"	" "	"	....	*58*	Lippmann and Hawliczek	B., 9, 1463	**31**, 315
"	" =1.4	"	....	93	Fischer and Greiff	B., 13, 670	**38**, 640
"	" "	"	....	104	Friedländer	B., 14, 2577	
"	" "	"	....	*106*	Fischer	B., 14, 2525	**40**, 393
Nitrophenylene carbamide	NO_2.C_6H_3.NH.CO.NH	$C_7H_5O_3N_2$	....	n.f. 300	Hager	B., 17, 2625	**48**, 150
Nitrobenzoic acid	COOH.NO_2=?(4th)	$C_7H_5O_4N$	....	125	Fittica	B., 8, 252	**28**, 766
" "	" "	"	....	127	Fischer	A., 127, 140	**i.**, 555
" "	" "	"	....	127	Wilbrandt & Beilstein	A., 128, 257	**iv.**, 61
" "	" "	"	....	127	Tiemann & Judson	B., 3, 224	**vii.**, 165
" "	" "	"	....	127	Radziszewski	B., 5, 332	**25**, 1097
" "	" "	"	....	127 ; 128	Fittica	B., 8, 710, 741 ; 9, 788 ; 10, 481, 1630 ; J. p. [2], 13, 184	**28**, 1195 ; **30**, 412 ; **32**, 483, **34**, 65 ; **36**, 151
" "	" "	"	....	127	Bodewig	B., 12, 1983	**38**, 251
" "	" "	"	....	128	Mills	[2], 4, 363	**vi.**, 314
" "	" "	"	....	128–130	Fittica	B., 9, 794	**30**, 411
" "	" =1.3	"	....	135	"	B., 10, 484 ; 11, 1210 ; J. p. [2], 13, 184	**32**, 483 ; **34**, 981 ; **36**, 152
" "	" "	"	....	135–136	"	B., 9, 789	**30**, 412
" "	" "	"	....	136	"	J. p. [2], 13, 184	**36**, 151
" "	" "	"	....	136	Bodewig	B., 12, 1983	**38**, 251
" "	" "	"	....	138	Sandmeyer	B., 18, 1494	
" "	" "	....	....	138–140	Monnet, Reverding, and Nölting	B., 12, 444	**36**, 625
" "	" "	"	....	139 u.c.	Windmann	B., 8, 392	**28**, 893
" "	" "	"	....	140	Plascuda & Zincké	B., 7, 985	**28**, 70
" "	" "	"	....	140	Fittica	B., 8, 252 ; 710, 741	**28**, 766, 1195
" "	" "	"	....	140	Griess	B., 8, 526	**28**, 892
" "	" "	"	....	140	Hübner	B., 10, 1699	**34**, 150
" "	" "	"	....	*140 ; r.s. 117 ; af. (slow) 135 ; af. (quick) 141*	Windmann	A., 193, 212	**36**, 154

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrobenzoic acid	$COOH.NO_2=1.3$	$C_7H_5O_4N$	....	140 ; 142	Salkowski	B., 10, 1258	
” ”	” ”	”	....	140	Schiff	B., 11, 1782 ; G. I., 8, 294	**36**, 157, 321
” ”	” ”	”	....	140–141	Windmann	B., 10, 1159	**32**, 783
” ”	” ”	”	....	140–141	Monnet & Nölting	G. I. C., 1879	
” ”	” ”	”	....	141	Beilstein and Kuhlberg	A., 163, 134	**vii.**, 165 ; **25**, 709
” ”	” ”	”	....	141	Naumann	B., 8, 526	**28**, 892
” ”	” ”	”	....	141	Thompson	B., 14, 1186	
” ”	” ”	”	....	141	Hübner	A., 195, 1	**36**, 381
” ”	” ”	”	....	141	Bodewig	B., 12, 1983	**38**, 251
” ”	” ”	”	....	141–142	McHugh	B., 7, 1267	**28**, 270
” ”	” ”	”	....	141·5	Ladenburg	B., 8, 536	**28**, 887
” ”	” ”	”	....	141·5	Lellmann and Würthner	A., 228, 239	**48**, 974
” ”	” ”	”	....	142	Hübner	B., 10, 1697	**34**, 150
” ”	” ”	”	....	142	”	A., 222, 67	**46**, 314
” ”	” ”	”	....	142	Fittica	B., 9, 788 ; 10, 481 ; 11, 1207 ; J. p. [2], 13, 184	**30**, 412 ; **32**, 483 ; **34**, 981 ; **36**, 152
” ”	” ”	”	....	142	Bodewig	B., 12, 1983	**38**, 251
” ”	” ”	”	....	141–142	Conrad	J. p. [2], 15, 241	**32**, 485
” ”	” ”	”	....	141–142	Naumann	A., 133, 205	**vi.**, 314
” ”	” $=1.2$	”	....	140–141	Salkowski	B., 5, 722	**25**, 1024 ; **vii.**, 947
” ”	” ”	”	....	141	Windmann	A., 195, 202	**36**, 154
” ”	” ”	”	....	141–143	Bedson	37, 93	
” ”	” ”	”	....	143	Windmann	B., 8, 393	**28**, 893
” ”	” ”	”	....	145	Claisen & Shadwell	G. J. C., 1879	
” ”	” ”	”	....	145	Griess	J. p. [2], 6, 384	**26**, 637
” ”	” ”	”	....	145	Monnet and Nölting	G. J. C., 1879	
” ”	” ”	”	....	145	Baeyer and Drewsen	B., 15, 2860	
” ”	” ”	”	....	145–147	Gabriel and Meyer	B., 10, 828	
” ”	” ”	”	....	146 u. c.	Engler	B., 18, 2239	
” ”	” ”	”	....	146	Noyes	B., 16, 53	
” ”	” ”	”	....	146–147	Liebermann	B., 10, 1038	
” ”	” ”	”	....	146·5	Claus and Mallmann	B., 11, 760	
” ”	” ”	”	....	147	Kumpf	B., 17, 1074	**46**, 1004
” ”	” ”	”	....	*147*	Windmann	A., 193, 210, 221	**36**, 154
” ”	” ”	”	....	147–148	Friedländer and Ostermeier	B., 14, 1920	
” ”	” ”	”	....	149	Windmann	B., 10, 1159	**32**, 783
” ” mixture	” ”	”	....	172–174	Wilbrandt and Beilstein	A., 128, 265	
” ” ”	” ”	”	....	172–174	Hübner and Biedermann	A., 147, 268	
” ” ”	” ”	”	....	173–175	Faust	J. [1869], 651	
” ” ”	” ”	”	....	178–179	Fittica	B., 8, 254	**28**, 766
” ” ”	” ”	”	....	179	Liebermann	B., 10, 863	
” ”	” $=1.4$	”	....	230	Radziszewski	Z. C. [2], 5, 358	**vi.**, 1102
” ”	” ”	”	....	230	Bedson	37, 91	
” ”	” ”	”	....	233	Griess	B., 8, 529	**28**, 893
” ”	” ”	”	....	232–235	Ladenburg	B., 8, 536	**28**, 887
” ”	” ”	”	....	234	Claus	B., 15, 2332	
” ”	” ”	”	....	234	Hassenpflug	B., 8, 712	**28**, 1188
” ”	” ”	”	....	233–237	Ladenburg	B., 8, 536	**28**, 887
” ”	” ”	”	....	232–240	....	....	**36**, 154
” ”	” ”	”	....	236	Monnet and Nölting	G. J. C., 1879	
” ”	” ”	”	....	238	Erlenmeyer	B., 8, 535	**28**, 887
” ”	” ”	”	....	238	Michael and Norton	G. J. C., 1877	
” ”	” ”	”	....	238	Windmann	B., 8, 393	**28**, 893

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrobenzoic acid	COOH.NO_2=1.4	$C_7H_5O_4N$	....	238	Windmann	B., 10, 1159	**32**, 783
" "	" "	"	....	238	Rennie	41, 223	
" "	" "	"	....	*238*	Windmann	A., 193, 226	**36**, 154
" "	" "	"	....	238	Spica	G. I., 8, 406	**36**, 631
" "	" "	"	....	238	Maxwell	B., 12, 1766	**38**, 120
" "	" "	"	....	236–240	Mills	[2], 4, 363	**vi.**, 314
" "	" "	"	....	240	Wilbrand&Beilstein	A., 126, 255	**iv.**, 61
" "	" "	"	....	240	Fischer	B., 8, 526	**28**, 893
" "	" "	"	....	240 u. c.	Claus and Witt	B., 18, 1674	
" "	" "	"	....	240	Stuart	47, 158	
" "	" "	"	....	240	Noyes	B., 16, 53	
Nitrohydroxybenzaldehyde....	COH.OH.NO_2=1.2. ?	"	....	105–107	Mazzara	G. I., 6, 460	**31**, 597
"	" =1.2. ?	"	....	123–125	"	"	"
"	" =1.3. ?	"	....	125	Tiemann & Ludwig	B., 15, 3052	**44**, 586
" ...	" =1.3.2. or 6	"	....	128	Ludwig	C. C., 1884, 35	**46**, 664
"	" "	"	....	*128*	Tiemann & Ludwig	B., 15, 2053, 3052	**44**, 189
"	" =1.3.4	"	....	*138*	"	"	"
"	" "	"	....	138	Ludwig	C. C. [1884], 35	**46**, 664
"	" =1.3.5	"	....	166	"	"	"
"	" "	"	....	*166*	Tiemann & Ludwig	B., 15, 2054, 3052	**44**, 189, 586
"	" =1.4. ?	"	....	139–140 s.	Herzfeld	B., 10, 1269	**34**, 65
"	" "	"	....	140	Mazzara	G. I., 7, 285	**32**, 781
Methylene nitrocatechol	$NO_2.C_6.H_3.O.CH_2.O$=?.1.2	"	cf. A. 199, 73	148 u. c.	Jobst and Hesse	B., 11, 1034	**34**, 733
Nitrotoluquinone	$C_6H_2Me.(NO_2):O_2$	"	....	237	Etard	C. R., 84, 614; A. C. [5], 22, 275	**32**, 476; **40**, 583
Pyridine dicarboxylic acid	N.$(COOH)_2$=?	"	....	abt. 210	Dewar	C. N., 23, 38	**24**, 145
" " " (quinolic acid)	" =1.2.3	"	....	*222–225*	Furth	M. C., 2, 416	**42**, 231
" " "	" "	"	....	222–225	Hoogewerff & Dorp	B., 12, 747; 13, 65	**36**, 731
" " "	" "	"	Brown 225	226 d.	Ladenburg & Roth	B., 18, 52	**48**, 558
" " "	" "	"	d. 100=nicotic acid; in cap. tube= brown 175	228 – 230 (slow); 180 d. (quick); a. f. 228	Hoogewerff & Dorp	R. T., 1, 1, 107; B., 16, 426	**44**, 90
Pyridine dicarboxylic acid (lutidinic acid)	" =1.2.4	"	Impure, cf. B 18, 1745	219	Waage	M. C., 4, 708	**46**, 173
" " "	" "	"	"	219	Weidel and Pick	M. C., 5, 656	**48**, 55
" " "	" "	"	"	219	Hantzsch	B., 18, 1745	
" " "	" "	"	"	219·5	Weidel and Herzig	M. C., 1, 20	
" " "	" "	"	"	220	Furth	M. C., 2, 416	**42**, 231
" " "	" "	"	....	234–235·5	Böttinger	B., 14, 68	"
" " "	" "	"	....	*235*	Ladenburg & Roth	B., 18, 916	**48**, 816
Pyridine dicarboxylic acid (isocinchomeronic acid)	" =1.2.6	"	....	236	Furth	M. C., 2, 416	**42**, 231
" " "	" "	"	....	236–237	Epstein	B., 18, 1745	
" " "	" "	"	....	237·5	Ramsay and Dobbie	B., 11, 326	**33**, 103
" " "	" "	"	....	237·5 d.	Ramsay	P. M. [5], 4, 244	**36**, 267
" " "	" "	"	....	241	Dewar	36, 947	
Pyridine dicarboxylic acid	" = ?	"	....	d. 241–245	Ramsay	P. M. [5], 6, 24	"
" " "	" "	"	....	d. 244–245	"	P. M. [5], 6, 21	"
" " " (cinchomeronic acid)	" =1.3.4	"	cf. A., 173, 96	249–250 p.d.	Weidel & Schmidt	B., 12, 1148	**36**, 947
" " "	" "	"	....	250 d.	Hoogewerff & Dorp	B., 13, 61; A., 204, 84	**38**, 405, 896
" " "	" "	"	....	250 d.	"	B., 14, 646, 974	**40**, 611
" " "	" "	"	....	249–251	Furth	M. C., 2, 416	**42**, 231
" " "	" "	"	....	251–252	Ramsay and Dobbie	33, 103	
" " "	" "	"	....	258	Furth	M. C., 2, 416	**42**, 231
" " "	" "	"	....	258	Michael	B., 18, 2029	
" " "	" "	"	....	*258–259 d.*	Skraup	W. A., 81, 337	**40**, 290
Pyridine dicarboxylic acid	" = ?	"	....	263	Furth	M. C., 2, 427	**42**, 231

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Pyridine dicarboxylic acid	$N.(COOH)_2$=?	$C_7H_5O_4N$	....	266–268	Gerichten	B., 13, 1637	**40**, 110
Acid from diquinoline	....	"	....	96 u. c.	Claus	B., 14, 1942	**42**, 215
Nitrosalicylic acid $+H_2O$	$COOH.OH.NO_2$=1.2.3	$C_7H_5O_5N$	....	123	Hasse	B., 10, 2187	
" " "	" "	"	cf. 28, 263	124	Hall	B., 7, 1320	**vii.**, 1066
" " "	" "	"	....	*125*	Hübner and Hall	B., 8, 1216	**29**, 593
" " "	" "	"	....	125	Hübner	A., 195, 31	**36**, 381
" " "	" "	"	....	125	Schiff and Masino	G. I., 9, 318	**38**, 121
" " "	" "	"	....	131	Hübner	B., 10, 1699	**34**, 150
" " "	" "	"	....	131	Griess	B., 11, 1733	**36**, 247
" "	" "	"	....	*143*	Hasse	B., 10, 2187	
" "	" "	"	....	144	Hübner	A., 195, 31	**36**, 381
" "	" "	"	....	144	Schiff and Masino	G. I., 9, 318	**38**, 121
" "	" "	"	....	*144–145*	Hübner and Hall	B., 8, 1216	**29**, 593
" "	" "	"	....	145	Hübner	B., 10, 1698	**34**, 150
" "	" =1.2.?	"	....	218	Hall	B., 7, 1321	**28**, 263
" "	" =1.2.5	"	....	228	"	"	**vii.**, 1066
" "	" "	"	....	228	Hübner	B., 8, 1217	**29**, 593
" "	" "	"	....	228	Hasse	B., 10, 2189	**34**, 416
" "	" "	"	....	228	Griess	B., 11, 1731	**36**, 246, 247
" "	" "	"	....	228	Hübner	A., 195, 9	**36**, 380
" "	" "	"	....	228	Mügge	B., 12, 1347	**36**, 928
" "	" "	"	....	228	Babcock	B., 12, 1345	"
" "	" "	"	....	228	Schiff and Masino	G. I., 9, 318	**38**, 121
" "	" "	"	....	228	Mandt	B., 10, 1701	
" "	" "	"	....	228	Hübner	B., 10, 1698	**34**, 150
Nitrohydroxybenzoic acid	" =1.3.6	"	....	169	Griess	B., 11, 1733	**36**, 247
" "	" =1.3.2	"	....	178	"	B., 11, 1734	"
" "	" =1.3.4	"	....	230	"	B., 5, 856	**26**, 178
" "	" =1.3.5	"	....	d.w.m.	Hübner and Grube	B., 10, 1704	
" "	" =1.4.5	"	....	178	Gruber	B., 12, 520	**36**, 644
" "	" "	"	....	*185*	Griess	B., 5, 856	**26**, 178
" "	" "	"	....	186–187	Hasse	B., 10, 2188	**34**, 416
Hydroxyquinolic acid	$N.(COOH)_2.OH$=1.2.3.6	"	....	d.w.m. 254	Königs & Körner	B., 16, 2159	**46**, 85
" "	" "	"	....	d.w.m. 250	Feer and Königs	B., 18, 2399	
Dinitrobenzamide	$(CO.NH_2).(NO_2)_2$=1.3.5	$C_7H_5O_5N_3$	....	*177*	....	Z. C. [1870], 642	
"	" "	"	....	183	Voit	A., 99, 105	**i.**, 541
Trinitrotoluene	$Me.(NO_2)_3$=?	$C_7H_5O_6N_3$	Mixture (?)	78·85 ; 78·88	Mills	P. M. [4], 1, 17	**29**, 393
"	" "	"	"	78·853	"	P. R. [1881], 205	
"	" =1.3.$(?)_2$	"	"	76–82	Beilstein and Kuhlberg	Z. C. [2], 5	**vii.**, 1166
α- "	" =1.2.4.6	"	....	80·54	Mills	P. M. [4], 1, 17	**29**, 393
α- "	" "	"	....	80·532	"	P. R. [1881], 205	
α- "	" "	"	....	81	Städel	A., 225, 384	**48**, 142
α- "	" "	"	....	82	Wilbrand	A., 128, 178	**v.**, 858
α- "	" "	"	....	*82*	Hepp	B. S. [2], 30, 4	**36**, 51
γ- "	" = ?	"	....	104	....	A., 215, 366	
β- "	" "	"	....	112	....	A., 215, 370	
Dinitroamidobenzoic acid	$COOH.NH_2.(NO_2)_2$=1.2.3.5	"	....	*256*	Salkowski	A., 173, 45	**28**, 71
" " ..	" "	"	....	256	"	B., 4, 872	
" " .. (chrysanisic acid)	" =1.4.3.5	"	....	258	Städel	B., 14, 900	**40**, 724
" " ...	" "	"	....	258–259	Salkowski	B., 4, 871	
" "	" "	"	....	*259*	"	A., 163, 1	**25**, 714
" " ...	" "	"	....	259–260	Friederici	B., 11, 1977	**vii.**, 336
Isonitrosomeconic acid	$C_4HO(OH)(COOH)_2(C:NOH)$	$C_7H_5O_7N$	$+H_2O$	d. 190	Odernheimer	B., 17, 2083	**46**, 1302
Trinitroanisol	$OMe.(NO_2)_3$=1.2.4.6	$C_7H_5O_7N_3$	....	58–60	Cahours	A., 69, 238	**i.**, 306
"	" "	"	....	*64*	Post and Mertens	B., 8, 1552	
Trinitrocresol....	$Me.OH.(NO_2)_3$=1.2.3.4.5	"	....	*102*	Noling and Collin	B., 17, 271	**46**, 1007
"	" =1.3.2.4.6	"	....	a. 100	Duclos	A., 109. 135	**ii.**, 108
"	" "	"	....	104	Liebermann & Dorp	B., 4, 655	
"	" "	"	....	*106*	Nölting and Salis	B., 15, 1862	
"	" "	"	....	106	Wurster and Riedel	B., 12, 1799	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trinitrocresol	$Me.OH.(NO_2)_3$=1.3.2.4.6	$C_7H_5O_7N_3$	....	106	Emmerling and Oppenheim	B., 9, 1095	**30**, 523
"	" "	"	....	106	Nölting and Salis	B., 14, 988	**40**, 725
Trinitro-orcinol	$Me.(OH)_2.(NO_2)_3$=1.3.5.2.4.6	$C_7H_5O_8N_3$	....	*162*	Stenhouse	P. R., 19, 410	**24**, 358
"	" "	"	....	162·5	Stenhouse & Groves	31, 549	**vii.**, 879
"	" "	"	....	163·5	Merz and Zetter	B., 12, 2038	**38**, 113
Trinitromethyl nitraniline	$C_6H_2(NO_2)_3(NMe.NO_2)$	$C_7H_5O_8N_5$	cf. 38, 108	127	Romburgh	R. T., 2, 304	**48**, 660
Phenylene carbamide ...	$C_6H_4:N.CO.NH_2$=1.2(?)	$C_7H_6ON_2$	....	129–130	Bendix	B., 11, 2264	**36**, 314
" "	$C_6H_4:(NH)_2:CO$=1.2	"	....	*305*	Rudolph	B., 12, 1296	**36**, 922
" " ...	" =1.3	"	....	d.w.m. 300	Michler and Zimmermann	B., 14, 2177	**42**, 182
" "	" =1.4	"	....	n.f. 320	Lellmann and Würthner	A., 228, 199	**48**, 978
Hydrazine benzoic anhydride	$C_6H_4.CO.NH.NH$=1.2	"	cf. B., 13, 681	242 d.	Fischer and Renouf	A., 212, 333	**42**, 1069
Nitrosoformanilide	$C_6H_5.N(NO).COH$	$C_7H_6O_2N_2$	....	39	Fischer	B., 10, 959	**32**, 607
Nitrosomethyl nitrobenzene	$NO_2.(CH_2.NO)$=1.2	$C_7H_6O_3N_2$	....	95	Gabriel	B., 15, 3060	
" "	" "	"	....	*96–97*	Gabriel and Meyer	B., 14, 828, 2333	**40**, 730
" "	" =1.3	"	....	*115–118*	Gabriel	B., 15, 838	**42**, 1070
" "	" "	"	cf. B., 16, 522	118–119	"	B., 15, 3060	
Nitrobenzamide	$NO_2.CONH_2$=1.3	"	....	100	....	....	**i.**, 541
"	" "	"	....	140	Salkowski	B., 5, 724	**25**, 1024
"	" "	"	....	*140–142*	Beilstein	A., 132, 147	**vi.**, 258
"	" =1.2	"	....	167	....	A., 163, 138	
"	" "	"	....	*174*	Hübner	B., 10, 1713	**34**, 140
"	" =1.4	"	....	*197–198*	Beilstein	A., 132, 143	**vi.**, 258
Formonitranilide	$NO_2.(NH.COH)$=1.2	"	....	122	Hübner	A., 209, 369	**42**, 181
Nitrobenzaldoxime	$NO_2.(CH:NOH)$=1.4	"	....	128·5	Herzberg	C. C., 1884, 35	**48**, 662
Dinitrotoluene	$Me.(NO_2)_2$=1.2.6	$C_7H_6O_4N_2$	....	Liquid	Cunerth	A., 172, 222	
"	" "	"	....	Liquid	Bernthsen	B., 15, 3016	
"	" "	"	....	60	Staedel	A., 225, 384	**48**, 142
"	" "	"	....	*60–61*	"	A., 217, 206	**44**, 866
"	" =1.3.4	"	....	60	Beilstein and Kuhlberg	A., 155, 25; Z. C. [2], 5, 280, 521	**vii.**, 1166
"	" =1.2.4	"	....	69·17–69·6	Mills	P. M. [4], 50, 18; P. R. [1881], 205	**29**, 393
"	" "	"	....	s. 70	Rosenstiehl	A. C. [4], 27, 433	**26**, 274
"	" "	"	....	70	Neville & Winther	37, 441	
"	" "	"	....	70	Tilden	45, 416	
"	" "	"	....	70·5	Schiff	A., 223, 247	**46**, 1089
"	" "	"	....	70·5	Limpricht	B., 18, 1400	
"	" "	"	....	*70·5*	Beilstein and Kuhlberg	Z. C. [2], 5, 280, 521; A., 155, 13	**vii.**, 1166
"	" "	"	300	71	....	....	**i.**, 575
"	" "	"	....	71	Buckney	B., 11, 1452	**34**, 863
"	" "	"	....	71	Gabriel and Meyer	B., 14, 824	**40**, 730
"	" = ?	"	....	74	Heckmann	A., 220, 128	**46**, 178
"	" =1.3.5	"	....	90–91	Staedel	A., 217, 182	**44**, 864
"	" "	"	....	91	"	"	**44**, 865
"	" "	"	....	91–92	"	B., 14, 901	**40**, 725
"	" "	"	....	*92–93*	"	A., 217, 189	**44**, 865
"	" "	"	....	92·4	Neville & Winther	B., 15, 2985	**41**, 416
"	" = ?	"	....	99	Stebbings	C. N., 41, 117	**38**, 715
Nitrosalicylamide	$CONH_2.OH.NO_2$=1.2.3	"	....	145–146	Hübner	A., 195, 35	**36**, 382
"	" =1.2.5	"	....	225	"	A., 195, 15	**36**, 381
Amidonitrobenzoic acid	$COOH.NH_2.NO_2$=1.3.2	"	....	melts d.	Griess	B., 2, 435	
" "	" =1.3.4	"	....	w. m.	"	B., 2, 435; 5, 198	
" "	" =1.3.6	"	....	Solid	"	B., 5, 198	
" "	" =1.2.3	"	....	204	Hübner & Göltsche	B., 10, 1699	**34**, 150
" "	" "	"	....	204	Griess	B., 11, 1732	**36**, 247
" "	" "	"	....	*204*	Hübner	A., 195, 37	**36**, 382
" "	" "	"	....	205	"	B, 8, 1217	**29**, 593

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Amidonitrobenzoic acid	$COOH.NH_2.NO_2$=1.3.5	$C_7H_6O_4N_2$	....	*208*	Hübner	B., 10, 1703	**34**, 148
" "	" "	"	....	208	"	A., 222, 67	**46**, 315
" "	" =1.2.5	"	....	263	"	B., 10, 1698	**34**, 150
" "	" "	"	....	*263 d.*	"	A., 195, 21	**36**, 381
" " ..	" "	"	....	265–270 p. d.	Griess	B., 11, 1730	**36**, 246
" "	" "	"	....	270 d.	Hübner	B., 8, 1220	**29**, 594
" "	" "	"	....	270	Rhalis	A., 198, 112	**38**, 119
" "	" =1.4.5	"	....	*284*	....	A., 173, 54	
Dinitroso-orcinol	$Me.(OH)_2.(NO)_2$=1.3.5.2.?	"	$+H_2O$	d.w.m. 110	Stenhouse & Groves	31, 548	
Nitrobenzyl nitrate	$(CH_2.O.NO_2).NO_2$=1.4	$C_7H_6O_5N_2$	....	70–71	Staedel	A., 217, 208	**44**, 866
" "	" "	"	....	71	"	B., 14, 903	**40**, 724
Dinitrobenzyl alcohol	$(CH_2.O.NO_2).(NO_2)_2$=1.4.?	"	cf. B., 14, 903; 15, 1136; A., 217, 208	71	Beilstein and Kuhlberg	Z. C. [2], 3, 467; A., 147, 351	vi., 335
Dinitranisoïl	$OMe.(NO_2)_2$=1.3.4	"	....	*70*	Bantlin	B., 11, 2105	**36**, 238
"	" =1.2.4	"	....	85–86	Kekulé	K. L., 3, 77	
"	" "	"	....	86	Cahours	A. C. [3]	i., 306
"	" "	"	....	86–87	Salkowski & Rehs	B., 7, 371	**27**, 801
"	" "	"	....	86–87	Salkowski	A., 174, 263	**28**, 367
"	" "	"	....	86–87	Willgerodt	B., 12, 763	**36**, 717
"	" "	"	....	88	Post and Mertens	B., 8, 1552	
"	" "	"	....	*88*	Körner	A., 69, 236	
"	" =1.2.5	"	....	*96*	Henriques	A., 215, 321	**44**, 327
"	" "	"	a. 360	96	Bantlin	B., 11, 2105	**36**, 238
"	" =1.2.6	"	....	115·8	Körner	G. I., 4, 305	**29**, 230
"	" "	"	...	116	Salkowski & Rehs	B., 7, 371	**27**, 801
"	" "	"	....	116	Salkowski	A., 174, 273	**28**, 367
"	" "	"	....	*118*	Post and Mertens	B., 8, 1552	vii., 909
"	" =1.2.3	"	....	118	Bantlin	B., 11, 2105	**36**, 238
Dinitrocresol	$Me.OH.(NO_2)_2$=1.2.3.5	"	....	82	Staedel	B., 14, 899	**40**, 723
"	" "	"	....	82·5	Limpricht	B., 18, 2179	**48**, 1233
"	" "	"	....	83	Hofmann & Miller	B., 14, 568	**40**, 593
"	" "	"	....	85	Neville & Winther	B., 15, 2992	**41**, 422
"	" "	"	....	85–86	Staedel	A., 217, 158	
"	" "	"	....	85·5	Armstrong & Field	B., 6, 974	
"	" "	"	....	85–86	Nölting and Kohn	B., 17, 371	**46**, 1003
"	" "	"	....	85·8	Neville & Winther	B., 13, 1946	**37**, 631
"	" "	"	....	*86*	Nölting and Salis	B., 14, 987	**40**, 725
"	" "	"	....	86	"	B., 15, 1860, 1865	
"	" "	"	....	86	Hirsch	B., 18, 1513	
"	" "	"	....	86	Piccard	B., 8, 685	**28**, 1022
"	" =1.4.(?)$_2$	"	....	73	Nölting and Salis	B., 15, 1858	**44**, 59
"	" =1.4.3.5	"	....	79–80	Nevile & Winther	B., 13, 1948	**37**, 631
"	" "	"	....	82	Wichelhaus	B., 7, 177	**27**, 721
"	" "	"	....	82	Armstrong & Field	B., 6, 974	
"	" "	"	....	83	"	B., 7, 1024	
"	" "	"	....	83·5	Wagner	B., 7, 536	
"	" "	"	....	84	Martius & Wichelhaus	B., 2, 206; Z. C. [2], 5, 440	vi., 508
"	" "	"	....	84	Pechmann	A., 173, 205	vii., 932
"	" "	"	....	84	Limpricht	B., 7, 719	**27**, 991
"	" "	"	....	84	Piccard	B., 8, 685	**28**, 1022
"	" "	"	....	84	Staedel	B., 14, 899	**40**, 723, 724
"	" "	"	....	84	Nölting and Salis	B., 14, 986	
"	" "	"	....	84	Armstrong & Field	C. N., 29, 282	vii., 932
"	" "	"	....	85	Staedel	A., 217, 53, 167	**44**, 862
"	" "	"	....	85	Beilstein & Kreusler	J. [1866], 360	vi., 508
"	" = ?	"	....	109–110	Martius & Wichelhaus	B., 2, 206; Z. C. [2], 5, 440	"
"	" = ?	"	....	109–110	Wichelhaus	B., 7, 177	**27**, 721
"	" = ?	"	....	110	Piccard	B., 8, 686	**28**, 1022

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitroamidosalicylic acid	$CO_2H.OH.NH_2.NO_2$=1.2.3.5	$C_7H_6O_5N_2$	....	220	Babcock	B., 12, 1345	
Methyldinitroquinol	$OMe.OH.(NO_2)_2$=1.4.(?)$_2$	$C_7H_6O_6N_2$	....	102	Weselsky & Benedikt	M. C., 2, 370	**40**, 1139
Methyldinitrocatechol	„ =1.2.3.5	„	....	122–123	Herzig	M. C., 3, 822–827	**44**, 464, 470
Dinitro-orcinol	$Me.(OH)_2.(NO_2)_2$=1.3.5.2.?	„	....	109–110	Leeds	B., 14, 483	**40**, 584
„	„ „	„	....	164·5	Stenhouse & Groves	A., 188, 358	**31**, 549
Trinitrotoluidine	$Me.NH_2.(NO_2)_3$=1.3.2.4.6	„	....	136	Nölting and Salis	B., 15, 1865	**44**, 59
Formanilide	$C_6H_5.NH.COH$	C_7H_7ON	....	*46*	Tobias	B., 15, 2444	**28**, 66
„	„	„	....	46	Wallach & Wüsten	B., 16, 145	
„	„	„	....	46	Gerhardt	J. P. [3], 9, 409	ii., 682
Benzamide	$C_6H_5.CO.NH_2$	„	286–290	115	....	....	i., 538
„	„	„	....	115	Liebig and Wöhler	....	**24**, 366
„	„	„	....	115	....	G. I., 3, 398	**27**, 261
„	„	„	....	125	Hermann & Kochlin	B., 15, 1116	
„	„	„	....	125	Friedburg	Z. C. [2], 7, 65	**24**, 366
„	„	„	....	125	Guareschi	G. I., 3, 398	**27**, 261
„	„	„	....	128	Schiff and Tarsinari	B., 10, 1785	
„	„	„	....	*130*	Ciamician & Magnaghi	B., 18, 1829	**48**, 1143
Benzylaldoxime (cf. B., 16, 824)	$C_6H_5.CH:N.OH$	„	a. 200 p.d.	....	Petraczek	B., 15, 2785	**44**, 569
„ (polymer)	....	„	....	161·5	„	„	„
Amidobenzaldehyde....	$NH_2.COH$=1.2	„	....	abt. 37	Gabriel	B., 15, 2004	**44**, 62
„	„ „	„	....	*39–40*	Friedländer	B., 15, 2572	**44**, 332
„	„ =1.3	„	....	Solid	Tiemann & Ludwig	B., 15, 2044	
?	Probably $2(C_7H_7ON)$	„	....	230 d.	Pinner	B., 17, 2005	**46**, 1324
Phenylcarbamic acid	$NHPh.COOH$	$C_7H_7O_2N$	....	132	....	....	i., 752
Phenylic carbamate	$NH_2.COOPh$	„	....	141	Kempf	J. p. [2], 1, 405; B., 2, 741	vii., 252; **24**, 341
Phenylnitromethane	$Ph.CH_2.NO_2$	„	225–227	Liquid	Gabriel	B., 18, 1254	**48**, 903
Benzhydroxamic acid	$C_6H_5.C(OH):N.OH$	„	...	124–125	Lossen	A., 161, 347; B., 16, 874	**25**, 415; vii., 155
Nitrotoluene	$Me.NO_2$=1.2	„	Same as 1.3	Liquid—20	Beilstein and Kuhlberg	Z. C. [2], 7, 99	**24**, 563; vii., 1166, 1178
„ (impure) ...	„ „	„	219–220	Liquid	Rosenstiehl	A. C. [4], 27, 433	**26**, 274
„	„ „	„	*222–223*	Liquid	Beilstein and Kuhlberg	Z. C. [2], 5, 521	vi., 285; **26**, 272
„	„ =?	„	220–225	....	Wilson	....	vi., 486
„	„ „	„	223	....	Tollens and Fittig	A., 131, 304	„
„	„ „	„	225	....	Deville	A. C. [3], 3, 175	„
„	„ „	„	225–230	Liquid	....	....	i., 574
„	„ =1.3	„	227	s. low temp.	Beilstein and Kuhlberg	Z. C. [2], 6, 102	vi., 1103
„	„ „	„	228	....	Monnet & Nölting	B., 12, 443	
„	„ „	„	*230–231*	*16*	Beilstein and Kuhlberg	Z. C. [2], 5, 521	vii., 1166
„	„ =1.4	„	....	51·31	Mills	P. M. [4], 50, 17	**29**, 393
„	„ „	„	....	51·407	„	P. R. [1881], 205	
„	„ „	„	237–238	52	Rosentiehl	A. C. [4], 27, 433	**26**, 274
„	„ „	„	*238*	*54*	Kekulé	Z. C. [2], 3, 225	vi., 284
„	„ „	„	238	54	Jaworsky	J. [1865], 542	v., 858
„	„ „	„	....	54	Armstrong	25, 868	
„	„ „	„	235–236	54	Beilstein and Kuhlberg	Z. C. [2], 5, 521	vii., 1166
„	„ „	„	....	54	Limpricht	B., 18, 1401	
„	„ „	„	236	54	Pellizzari	G. I., 14, 481	**48**, 770
„ (cf. G.I., 14, 181)	„ „	„	....	54	Schiff	A., 223, 247	**46**, 1089
Hydroxybenzamide	$(CO.NH_2).OH$=1.2	„	270 d.	132	....	A., 98, 258	v., 150
„	„ =1.4	„	....	162	Hartmann	J. p. [2], 16, 51	**32**, 895
„	„ =1.3	„	....	167 u.c.	Schulerud	J. p. [2], 22, 290	**40**, 42
Hydroxybenzaldoxime	$(CH:NOH).OH$=1.2	„	....	57	Tiemann and Kees	B., 18, 1663	
„	„ „	„	d.	*57 u.c.*	Lach	B., 16, 1783	**44**, 1104

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hydroxybenzaldoxime ...	(CH : NOH).OH=1.4	$C_7H_7O_2N$	....	65	Lach	B., 16, 1785	**44**, 1104
Amidobenzoic acid (Anthranilic acid)	COOH.NH_2=1.2	„	....	143–144	Grothe	J. p. [2], 18, 324	**36**, 378
„ „	„ „	„	....	143–144	Hesemann and Kochler	A., 222, 166	**46**, 600
„ „	„ „	„	....	142–145	Hübner & Mecker	Z. C. [2], 3, 564	**vi.**, 317
„ „	„ „	„	....	142–145	Hübner and Petermann	A., 149, 133	„
„ „	„ „	„	....	143–144	Jackson	B., 14, 885	**40**, 735
„ „	„ „	„	....	144	Hübner	A., 222, 67	**46**, 315
„ „	„ „	„	....	*144*	Hübner and Petermann	Z. C. [2], 4, 205	**vi.**, 319
„ „	„ „	„	....	144	Petersen	B., 6, 368	**26**, 1133
„ „	„ „	„	....	144	Bedson and King	37, 756	
„ „	„ „	„	....	145	Windmann	A., 193, 233	**36**, 155
„ „	„ „	„	....	145	Greiff	B., 13, 289	**38**, 648
„ „	„ „	„	....	145	Skraup	W. A., 82, 748	**40**, 744
„ „	„ „	„	....	150·4	Kopp	G. J. C. [1856]	
„ „	„ „	„	....	150	Berthelot	„	
„ „ (4th ?)	„ = ?	„	....	154	Fittica	B., 8, 742	**28**, 1195
„ „ „	„ „	„	....	154–156	„	B., 9, 790	**30**, 412
„ „ „	„ „	„	....	156–158	„	B., 9, 791	„
„ „ „	„ „	„	....	154–160	„	J. p. [2], 13, 184	**36**, 151
„ „	„ =1.3	„	...	165	Conrad	J. p. [2], 15, 241	**32**, 485
„ „	„ „	„	....	170	Fittica	J. p. [2], 13, 184	**36**, 152
„ „	„ „	„	....	172	Salkowski	B., 5, 724	**vii.**, 947 ; **25**, 1024
„ „	„ „	„	....	172	Wachendorff	B., 11, 703	**34**, 674
„ „	„ „	„	....	172	Longuinine	C. R., 86, 1329	**34**, 768
„ „	„ „	„	....	172·5	Hübner	A., 222, 67	**46**, 315
„ „	„ „	„	....	172–174	Hübner & Biedermann	Z. C. [1868]	**vii.**, 317
„ „	„ „	„	....	173	Petersen	B., 6, 368	**26**, 1133
„ „	„ „	„	....	173	Gabriel	B., 11, 2262	**36**, 324
„ „	„ „	„	....	173 ; 174	Hübner	B., 10, 1699 ; A., 195, 1	**34**, 150 ; **36**, 381
„ „	„ „	„	....	172–174	Griess	B., 8, 529	**28**, 893
„ „	„ „	„	....	173–175	Faust	A., 150, 56	**vii.**, 978
„ „	„ „	„	....	173–174	Hübner & Raveill	B., 10, 1707	**34**, 149
„ „	„ „	„	....	174	Fittica	B., 8, 741	**28**, 1195
„ „	„ „	„	....	174	Raveill	A., 222, 166	**46**, 600
„ „	„ „	„	....	*174*	Windmann	A., 193, 230	**36**, 155
„ „	„ „	„	....	174	Skraup	W. A., 82, 748	**40**, 744
„ „	„ „ (?)	„	...	178	Fittica	J. p. [2], 13, 184	**36**, 152
„ „	„ =1.4	„	....	184	Griess	B., 8, 529	**28**, 893
„ „	„ „	„	....	186	Ladenburg	B., 6, 130	**26**, 642
„ „	„ „	„	....	186	Skraup	W. A., 82, 748	**40**, 744
„ „	„ „	„	....	*186–187*	Windmann	A., 193, 233	**36**, 155
„ „	„ „	„	....	186–187	Wilbrand and Beilstein	A., 128, 264	**iv.**, 352
„ „	„ „	„	....	187	Petersen	B., 6, 368	**26**, 1133
„ „	„ „	„	....	197	Fischer	A., 127, 142	**iv.**, 352
β-Amidohydroxybenzaldehyde	COH.OH.NH_2=1.3.?	„	....	82–83	Ludwig	C. C. [1884], 35	**48**, 664
α- „	„ =1.3.?	„	....	107	„	„	„
Nitrosocresol	Me.OH.NO=1.2.5	„	....	*134–135 d.*	Nölting and Kohn	B., 17, 370	**46**, 1003
„	„ „	„	....	130–140 d.	Goldschmidt and Schmid	B., 17, 2063	**46**, 1327
„ (cf. B., 16, 242)	„ =1.3.6	„	....	d. 145–150	Würster & Rideal	B., 12, 1799	**38**, 109
Acetyl α-pyroline carboxyl	C_4H_3NH.CO.Ac(?)	„ (?)	....	75 d.	Ciamician & Silber	G. I., 14, 162	**48**, 247
Acetoxypyridine	C_5H_4N.OAc	„	210 u.c.	Liquid	Fischer and Renouf	B., 17, 1897	**46**, 1370

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methylpyridine carboxylic acid	N.Me.COOH=?	$C_7H_7O_2N$	....	194–196	Dürkopf	B., 18, 929	**48**, 817
" "	" "	"	....	211	Coninck	B. S., 42, 100	**48**, 273
" "	" =1.?.2 or 3	"	....	209–210	Dorp & Hoogewerff	B., 14, 646	**40**, 611
" " (?)	" =?	"	....	269	....	M. C., 1, 45	
Pyridine betaïne	$C_5H_5N.CH_2.CO.O$	"	....	150 d.	Gerichten	B., 15, 1251	**42**, 1110
Azonitromethylphenyl	$C_6H_5.N{:}N.CH_2.NO_2$	$C_7H_7O_2N_3$	....	153 d.	Friese	B., 8, 1079	**29**, 85
Isochinchomeronamide	$N.(CO.NH_2)_2$=1.2.6	"	....	295·5–297	....	J. [1877], 437	
Nitrobenzyl alcohol	$(CH_2.OH).NO_2$=1.3	$C_7H_7O_3N$	170–180 (3)	Liquid	Grimaux	B. S. [2], 8, 433	vi., 335
" "	" =1.2	"	....	74	Friedländer and Henriques	B., 14, 2804	**42**, 840
" "	" =1.4	"	....	91	Staedel	A., 217, 184	**44**, 864
" "	" "	"	....	91	"	B., 14, 899	**40**, 724
" "	" "	"	....	92	Basler	B., 16, 2715	**46**, 310
" "	" "	"	....	*93*	Beilstein and Kuhlberg	A., 147, 343; Z. C. [2], 3, 467	vi., 335
Nitro-methoxybenzene	$OMe.NO_2$=1.2	"	265	9	Brunck	Z. C. [2], 3, 204	vi., 910
" "	" "	"	265	....	Post and Mertens	B., 8, 1552	
" " ...	" "	"	*265*	*9*	Körner	G. I., 4, 305	**29**, 234
" " ...	" "	"	276 (734)	....	....	A., 174, 278; 207, 237	
" "	" "	"	276·5 c.	....	Mühlhäuser	B., 13, 920	**38**, 641
" " ...	" =1.3	"	*258 c.*	*37*	Salkowski	B., 12, 156	
" "	" "	"	254	38	Bantlin	B., 11, 2100	**36**, 238
" " ...	" =1.4	"	*258–260*	48	Brunck	Z. C. [2], 3, 205	vi., 910
" "	" "	"	....	48	Kekulé	K. L., 3, 76	
" "	" "	"	*258–260*	48	Körner	G. I., 4, 305	**29**, 234
" "	" "	"	....	51	Post and Mertens	B., 8, 1552	
" "	" "	"	....	52	Bantlin	B., 11, 2099	**36**, 238
" "	" "	"	cf. B., 15, 1004	*52*	Willgerodt	B., 14, 2634	**42**, 396
" "	" "	"	262–264	....	Cahours	A., 74, 299	i., 305
Nitrocresol	$Me.OH.NO_2$=1.2.5.(?)	"	226–230	Liquid	Hofmann & Miller	B., 14, 571	**40**, 593
"	" =1.4.5	"	....	*33*	"	B., 14, 572	"
"	" "	"	....	33–33·5	Wagner	B., 7, 537	**27**, 808
"	" "	"	....	33	Neville & Winther	B., 15, 2983	**41**, 426
"	" "	"	....	33–33·4	"	....	"
"	" "	"	....	33·5	Nölting and Wild	B., 18, 1339	vii., 931
"	" "	"	....	34	Nölting and Kohn	B., 17, 357	
"	" =1.3.2	"	....	56	Staedel	A., 217, 52	**44**, 662
"	" "	"	....	*56*	Orth	B., 15, 1131	**42**, 1198
"	" =1.2.3	"	....	*69·5*	Hofmann & Miller	B., 14, 569	**40**, 593
"	" "	"	....	69·5	Nölting and Wild	B., 18, 1339	
"	" "	"	....	69–70	Hirsch	B., 18, 1512	
"	" =1.4.6	"	....	77–77·4	Neville & Winther	B., 15, 2980	**41**, 422
"	" "	"	....	*78*	Knecht	B., 15, 299	**42**, 728
"	" =1.3.5	"	....	*90–91*	Neville & Winther	B., 15, 2986	**41**, 417
"	" "	"	$+H_2O$	60–62	"	"	"
"	" =1.2.5	"	Hex. plates	79–80	Hirsch	B., 18, 1513	**48**, 892
"	" "	"	Needles	82–85	"	"	"
"	" "	"	....	94–95	Nölting and Kohn	B., 17, 371	**48**, 1003
"	" "	"	....	*94·6–95*	Neville & Winther	B., 15, 2978	**41**, 423
"	" "	"	$+H_2O$	30–34	"	"	"
"	" =1.2.4	"	....	*106–108*	Nölting & Collin	B., 17, 269	**46**, 1007
"	" =1.3.6	"	cf. B. 16, 242	128	Bertoni	G. I. [1882], 302	**42**, 1198
"	" "	"	....	129	Orth	B., 15, 1131	"
"	" "	"	....	*129*	Staedel	A., 217, 52	**44**, 662
"	" "		....	126–127	Armstrong	....	vii., 931
"	" =1.2.6	"	....	142	Bernthsen	B., 15, 3019	
"	" "	"	....	*142–143*	Ullmann	B., 17, 1962	**48**, 1317
Methylic pyrroline-glyoxalate	$C_4H_4N.CO.COOMe$	"	285 p.d.	70–72	Ciamician and Dennstedt	B., 17, 2949	**48**, 378

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetylic α-carbopyrrolate	$NH:C_4H_3.COO.COMe$	$C_7H_7O_3N$	d.	75	Ciamician & Silber	B., 17, 1154	**46**, 1044
Pseudacetyl α-carbopyrrolic acid	$Me.CO.C_4H_2(COOH)NH$	"	....	186	"	B., 17, 1157; G. I., 14, 162	**46**, 1045; **48**, 247
Methoxynicotic acid....	$N.OMe.COOH=1.2.5$	"	....	237–238	Pechmann & Welsh	B., 17, 2395	**47**, 154; **48**, 175
Nitrobenzenylamidoxime	$NO_2.C_6H_4.C(NH_2):N.OH =1.3$	$C_7H_7O_3N_3$	....	174	Schopf	B., 18, 1064	**48**, 896
Amidonitrobenzamide	$(CONH_2).NH_2.NO_2=1.2.3$	"	cf. A., 195, 38	109	Hübner	B., 8, 1217	**29**, 593
"	" $=1.2.5$	"	....	140	"	B., 8, 1219	"
"	" "	"	....	225	"	B., 10, 1698	**34**, 150
"	" $=1.2.3$ or 5	"	....	d. 200–210	Kolbe	J. p. [2], 30, 467	**48**, 666
Methylnitroquinol	$OMe.OH.NO_2=1.4.?$	$C_7H_7O_4N$	....	83	Weselsky & Benedikt	M. C., 2, 370	**40**, 1139
Methylnitroresorcinol	" $=1.3.4$	"	cf. M.C., 1, 898	95	"	W. A., 82, 1219	**40**, 727
"	" $=1.3.6$	"	....	144	"	"	"
β-Nitroorcin	$Me.(OH)_2.NO_2=1.3.5.?$	"	....	115	Weselsky	B., 7, 442	**27**, 694
α- "	" $=1.3.5.?$	"	....	120	"	"	"
Gallamide	$(CO.NH_2).(OH)_3=1.3.4.5$	"	d. 245	243	Schiff and Pons	B., 18, 488	**48**, 796
Dinitromethylaniline	$NHMe.(NO_2)_2=1.2.4$	$C_7H_7O_4N_3$	....	175	Norton and Allen	B., 18, 1996	**48**, 1214
"	" "	"	....	*178*	Leymann	B., 15, 1234	**42**, 1057
Dinitrotoluidine	$Me.NH_2.(NO_2)_2=?$	"	....	94	Hepp	A., 215, 371	**44**, 317
"	" $=1.4.3.5$	"	....	166	Heynemann	A., 158, 335	**24**, 682
"	" "	"	....	*166*	Beilstein and Kuhlberg	B., 13, 242; A., 158, 341	vii., 1178; **38**, 636
"	" "	"	....	166	Staedel	B., 14, 900	**40**, 724
"	" "	"	....	167–168	"	A., 217, 187	**44**, 864
"	" "	"	....	168	Kelbe	B., 8, 877	**29**, 270
"	" $=1.4.2.6$	"	....	166·5–168	Beilstein	B., 13, 244	**38**, 636
"	" "	"	cf. A., 217, 205	*168*	Tiemann	B., 3, 219	**38**, 635
"	" "	"	....	168	Staedel	A., 225, 384	**48**, 142
"	" $=?$	"	....	192–193	Hepp	A., 215, 368	**44**, 317
"	" $=1.2.3.5$	"	....	208	Kayser	B., 15, 1133	**42**, 1203
"	" "	"	....	*208*	Staedel	B., 14, 900	**40**, 724
"	" "	"	....	208	"	A., 217, 153	**44**, 861
"	" "	"	....	209	"	A., 217, 183	**44**, 864
Ethylic nitropyromucate	$C_4H_2O(NO_2).COOEt$	$C_7H_7O_5N$	....	107	Klinkhardt	J. p. [2], 25, 52	**42**, 499
Dinitroamidocresol	$Me.OH.NH_2.(NO_2)_2=1.3.(?)_3$	$C_7H_7O_5N_3$	....	156	Emmerling and Oppenheim	B., 9, 1095	**30**, 523
Apocaffeïne	COO.C.COOH NMe.C:N.CO.NMe	"	....	*147–148*	Fischer	B., 14, 657; A., 215, 277	**40**, 614; **44**, 355
"	"	"	....	144–145	Maly & Andreasch	M. C., 3, 100	**42**, 631
Phenyl carbamide	$NH_2.CO.NHPh$	$C_7H_8ON_2$	....	144·5	Weith	B., 9, 821	**30**, 639
" "	"	"	....	*147*	Steiner	B., 8, 519	**28**, 883
?	$NH:CPh.NH.OH$	"	....	76–77	Lossen	B., 17, 1588	**46**, 1324
Benzenylamidoxime	$NH_2.CPh:N.OH$	"	....	70	Tiemann	B., 17, 128	**46**, 734
"	"	"	....	*79–80*	Tiemann & Krüger	B., 17, 1685	**46**, 1325
"	"	"	d. 170	79–80	Krüger	B., 18, 1053	**48**, 895
"	"	"	....	80	Pinner	B., 17, 186	**46**, 739
Amidobenzaldoxime....	$NH_2.(CH:N.OH)=1.3$	"	....	88	Gabriel	B., 16, 1998	**44**, 1105
"	" $=1.4$	"	....	*124*	Gabriel & Herzberg	B., 16, 2001	**44**, 1104
"	" "	"	....	124·5	Herzberg	C. C. [1884], 35	**48**, 662
Nitrosomethylamidobenzene	$NH_2.(CH.NO)=1.2$	"	....	132–133	Gabriel and Meyer	B., 14, 2339	**42**, 189
Amidobenzamide	$NH_2.(CO.NH_2)=?$	"	....	a. 100	Chancel	A., 62, 274	iv., 294
"	" $=1.2$	"	300 p.d.	108	Kolbe	J. p. [2], 30, 467	**48**, 666
"	" $=1.3$	"	$+H_2O$	75	Beilstein	A., 132, 142	vi., 258
"	" $=?$	"	....	72	Chancel	A., 62, 274	iv., 294
"	" $=1.4$	"	....	178–179	Beilstein	A., 132, 142	vi., 258
Hydroxydimethylpurin	$C_5H_2ON_4Me_2$	$C_7H_8ON_4$	....	112	Fischer	B., 17, 334	**46**, 997
Nitromethylaniline	$C_6H_5.NH.CH_2.NO_2$	$C_7H_8O_2N_2$	....	149	Steiner	B., 7, 1245	**28**, 165
Hydroxyphenyl carbamide....	$HO.C_6H_4.NH.CO.NH_2=1.2$	"	....	154 d.	Kalchoff	B., 16, 375	**44**, 735
" "	" $=1.4$	"	....	168 d.	"	B., 16, 376	"
Hydrazinbenzoic acid	$NH_2.NH.C_6H_4.COOH=1.3$	"	....	186 d.	Griess	B., 9, 1657	**31**, 475

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hydrazinbenzoic acid	$NH_2.NH.C_6H_4.COOH$=1.4	$C_7H_8O_2N_2$	....	220–225 d.	Fischer and Renouf	A., 212, 337	**42**, 1070
Diamidobenzoic acid....	$COOH.(NH_2)_2$=1.3.4	„	....	*210 d.*	Griess	B., 5, 856	
„ „	„ „	„	....	210–211 d.	....	A., 137, 57	
„ „	„ =1.3.5	„	....	195 p.d.	Voit	A., 99, 106	iv., 294
„ „	„ „	„	....	228	Hübner	A., 222, 67	**46**, 315
„ „	„ „	„	....	239	Griess	A., 154, 325	
„ „	„ „	„	....	*240*	Merz and Weith	B., 15, 2728	
Nitrotoluidine	$Me.NH_2.NO_2$=1.3.6	„	....	*53*	Limpricht	B., 18, 1402	**48**, 974
„	„ =1.4.6	„	....	77·5	Beilstein and Kuhlberg	Z. C. [2], 5, 280	vi., 1105
„	„ „	„	....	77·5	Buckney	B., 11, 1452	**34**, 863
„	„ „	„	....	77·5	Mixter	A. C. J., 1, 239	**40**, 1130
„	„ „	„	....	*77–78*	Neville & Winther	B., 15, 3016	**37**, 441; **41**, 422
„	„ „	„	....	77·5	Limpricht	B., 18, 1400, 2183	**48**, 974
„	„ „	„	....	77–78	Levinstein	D. P., 256, 471	**48**, 1127
„	„ „	„	....	77·5	Cunerth	A., 172, 223	
„	„ „	„	....	78	Bernthsen	B., 15, 3017	**44**, 579
„	„ „	„	....	78	Nölting and Collin	B., 17, 263	**46**, 1012
„	„ =1.2.6	„	....	90	Staedel	A., 225, 384	**48**, 142
„	„ „	„	....	91·5	Bernthsen	B., 15, 3017	**44**, 579
„	„ „	„	....	*94·5*	Cunerth	B., 7, 644; A., 172, 223	**27**, 903; **28**, 83
„	„ =1.3.5	„	....	95	Becker	B., 15, 1138	**42**, 1197
„	„ „	„	....	98	Staedel	A., 217, 199	**44**, 865
„	„ „	„	....	*98–98·4*	Neville & Winther	B., 15, 2985	**41**, 416
„	„ =1.2.3	„	....	*97*	Lellmann & Würthner	A., 228, 239	**48**, 974
„	„ =1.2.4	„	....	106	Levinstein	D. P., 256, 471	**48**, 1127
„	„ „	„	....	107	Limpricht	B., 18, 1401	**48**, 974
„	„ „	„	....	107	Nölting and Collin	B., 17, 265	**46**, 1012
„	„ „	„	....	*106–108*	„	B., 17, 269	**46**, 1007
„	„ „	„	....	109	Staedel	A., 225, 384	**48**, 142
„	„ =1.4.5	„	....	110	Kelbe	B., 8, 876	**29**, 270
„	„ „	„	....	*114*	Beilstein & Kuhlberg	A., 155, 23; Z. C., [2], 6, 102	vi., 1103
„	„ „	„	....	114	Graeff	A., 229, 340	**48**, 1127
„	„ „	„	....	114	Limpricht	B., 18, 1404	
„	„ „	„	....	114	Friederici	B., 11, 1971	**36**, 311
„	„ „	„	....	114	Fourmeaux	B. S., 42, 337	**48**, 400
„	„ „	„	....	114	Hübner	A., 208, 313	**40**, 1131
„	„ „	„	....	114	Nölting and Collin	B., 17, 263	**46**, 1012
„	„ „	„	....	114–115	Neville & Winther	....	**41**, 426
„	„ „	„	....	116	Gattermann	B., 18, 1483	vii., 1166
„	„ =1.2.5	„	....	127	Limpricht	B., 18, 1404	
„	„ „	„	....	127–128	Beilstein and Kuhlberg	A., 158, 346	**24**, 682
„	„ „	„	....	127–129	Neville & Winther	41, 423	vii., 1178
„	„ „	„	....	128	„	37, 432	
„	„ „	„	....	*129·5*	Lellmann & Würthner	A., 228, 239	**48**, 974
„	„ „	„	....	129–130·5	Ladenburg	B., 11, 1652	**36**, 233
„	„ „	„	....	130	Nietzki	B., 12, 2237	**38**, 162
„	„ =1.3.2	„	....	133	Limpricht	B., 18, 1404	
„	„ „	„	....	*133–134*	Beilstein and Kuhlberg	Z. C. [2], 7, 99; A., 158, 335	**24**, 563, 683; vii., 1178
„	„ = ?	„	....	168	Wagner	B., 7, 1273	vii., 931; **28**, 256
„	„ „	„	....	168	Cunerth	B., 7, 643	**27**, 902
Theobromine	{ NMe.CO.C.NH \ CH ; CO.NMe.C . N // }	$C_7H_8O_2N_4$	....	w. m. 290	Schmidt & Pressler	A., 217, 287	**44**, 872
„	„	„	....	*w.m. 290–295*	Keller	G. J. C., 1854	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitranisidine	OMe.NH$_2$.NO$_2$=1.2.3	$C_7H_8O_3N_2$	....	76	Bantlin	B., 11, 2106	**36**, 238
„	„ =1.3.4	„	....	129	„	„	„
Amidobenzylalcohol	(CH$_2$.OH).NH$_2$=1.2	C_7H_9ON	....	82	Friedländer and Henriques	B., 15, 2110	
Anisidine	OMe.NH$_2$=1.2	„	216	Liquid 0	Brunck	Z. C. [2], 3, 205	**vi.**, 910
„	„ „	„	216	Liquid	Körner	G. I., 4, 305	**29**, 235
„	„ „	„	*226·5* (734)	....	Mülhäuser	A., 207, 239	**42**, 302
„	„ „	„	228	....	„	B., 13, 920	**38**, 641
„	„ =1.3	„	251 c.	Liquid	Pfaff	B., 16, 614	
„	„ =1.4	„	*245–246* c.	s. 51–52	Salkowski	B., 7, 1009	**28**, 64
„	„ „	„	....	52	Brunck	Z. C. [2], 3, 205	**vi.**, 910
„	„ „	„	....	54	Körner	G. I., 4, 305	**29**, 235
„	„ „	„	....	*55·5–56·5*	Lossen	A., 175, 324	**28**, 770
Amidocresol	Me.OH.NH$_2$=1.2.6	„	....	124–128	Ullmann	B., 17, 1963	**46**, 1317
„ cf. B., 7, 1270	„ =1.4.5	„	....	135	Nölting and Kohn	B., 17, 360	**46**, 901
„	„ =1.4.6	„	....	138–139 ; 143–144	Wallach	B, 15, 2834	**44**, 329
„	„ =1.3.6	„	....	151	Nölting and Kohn	B., 17, 367	**46**, 902
„	„ =1.2.4	„	....	159–161	Wallach	B., 15, 2832	**44**, 329
„	„ „	„	....	159–161	Maassen	B., 17, 609	**46**, 1145
„	„ „	„	....	159–161	Nölting and Collin	B., 17, 270	**46**, 1007
„	„ =1.2.5	„	....	172–173 ; 174–175	Nölting and Kohn	B., 17, 365	**46**, 902
„	„ „	„	....	174–175	„	B., 17, 370	**46**, 1003
„	„ „	„	....	*175*	Hirsch	B., 18, 1514	**48**, 892
Pseudacetylmethylpyrroline	$C_4H_3Ac:NMe$	„	200–202	Liquid	Ciamician and Dennstedt	B., 17, 2952	**48**, 378
Acetylmethylpyrroline	$C_4H_3Me:NAc$	„	....	4–6	Weidel and Ciamician	B., 13, 78	**38**, 404
β-ethoxypyridine	$C_5H_4N.OEt$	„	....	Liquid	Fischer and Renouf	B., 17, 1897	**46**, 1370
Pseudolutidostyril	CMe : CH.CMe : CH.CO.NH	„	303–305	180	Hantzsch	B., 17, 2905	**48**, 397
Phenyl semicarbazide	C_6H_5.NH.NH.CO.NH$_2$	$C_7H_9ON_3$	....	170	Fischer	A., 190, 113	**34**, 307
Diamidobenzamide	(CO.NH$_2$).(NH$_2$)$_2$=1.3.5	„	....	177	Muretow	Z. C. [2], 6, 642	**vii.**, 130
„	„ = ?	„	....	183	Voit	....	**i.**, 541
Pyromucethylamide	C_4H_3O.CO.NHEt	$C_7H_9O_2N$	258 c.	Liquid	Wallach	B., 14, 752	**40**, 715
Ethylpyromeconamic acid	....	„	....	160	Meunel	J. p. [2], 32, 176	**48**, 1204
Salicylaldehyde ammonia ...	....	„	....	30	Herzfeld	B., 10, 1271	
Ammonium salicylite ...	C_6H_4.O(NH$_4$).COH=1.2	„	....	115	Ettling	A., 29, 310 ; 35, 244	**v.**, 169
Tetrene urethane	C_4H_4 : N.COOEt	„	180 (770)	Liquid	Ciamician & Dennstedt	G. I., 12, 84; B., 15, 943, 2579	**42**, 606 ; **44**, 350
Ethylic α-pyrrolate	C_4H_4N.COOEt	„	230–232	39	Ciamician and Silber	G. I., 14, 162 ; B., 17, 1152	**46**, 1044 ; **48**, 246
Ethylcarbopyrrolic acid ...	C_4H_3EtN.COOH	„	....	78	Bell	B., 10, 1864	**36**, 525
Dimethyl pyrroline carboxylic acid	CH:CMe.NH.CMe:C.COOH	„	....	210–213 d.	Knorr	B., 18, 1565	**48**, 995
Nitrodiamidotoluene ...	Me.(NH$_2$)$_2$.NO$_2$=1.2.4.6	$C_7H_9O_2N_3$	....	132	Tiemann	B., 3, 218	
„ ...	„ =1.2.4.3 or 5	„	....	154	„	B., 3, 220	
„ ...	„ „	„	....	154	Ladenburg	B., 8, 1211	
„ ...	„ „	„	....	*154*	Ruhemann	B., 14, 2657	**42**, 392
Ethylic acetylcyanacetate	CHAc(CN).COOEt	$C_7H_9O_3N$	...	26	....	C. R., 95, 235	
Ammonium salicylate ...	C_6H_4.OH.COO(NH$_4$)=1.2	„	....	126	Procter	J. Ph. [3], 3, 275	**v.**, 155
Hypoethyltheobromine ...	....	$C_7H_9O_3N_3$	....	142	Fischer	A., 215, 308	**44**, 357
Trihydroxydimethylpurin ...	$C_5N_4Me_2(OH)_3$?	$C_7H_9O_3N_4$?	....	Very high d.	„	B., 17, 337	**46**, 998
? acid	....	$C_7H_9O_4N$	d. 135	84–87	Pinner	B., 14, 1070	**40**, 797
Nitrotoluidine nitrate ...	C_6H_3Me.NO$_2$.NH$_2$+HNO$_3$	$C_7H_9O_5N_3$	....	185 d.	Beilstein & Kuhlberg	Z. C. [2], 5, 280	**vi.**, 1105
Hydrazineanisoïl	C_6H_4.OMe.N$_2$H$_3$=1.2	$C_7H_{10}ON_2$	....	43	Reisenegger	A., 221, 314	**46**, 440
Dimethylcarbopyrrolamide...	$C_4H_2Me_2$N.CO.NH$_2$	„	....	89–90	Bell	B., 10, 1866	**36**, 525
Ethylsuccinylcarbamide ...	CO(CH$_2$)$_2$.CO.N.CO.NHEt	$C_7H_{10}O_3N_2$	....	94–95	Menschutkin	A., 178, 204	**29**, 379

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diethylic cyanamidodicarboxylate	$N(CN)(COOEt)_2$	$C_7H_{10}O_4N_2$	....	32·8	Bassler	J. p. [2], 16, 134	**34**, 214
Diacetylmethylglyoxime	CMe(NOAc).CH(NOAc)	„	....	51	Schramm	B., 16, 2187	**46**, 52
Nitrodehydropiperylmethylurethane	$C_5H_7(NO_2)N.COOMe$	„	....	102–103	Schotten	B., 16, 647	**44**, 811
Oxy-β-dimethyluric acid	....	$C_7H_{10}O_5N_4$	....	173–174	Fischer	B., 17, 1781	**46**, 1309
Hydroxyheptamide	$C_6H_9.(OH)(CO.NH_2)$	$C_7H_{11}O_2N$	....	87	Demarçay	C. R., 86, 1135	**34**, 662
Isopropylsuccinimide	$CO.CH_2.CHPr^{\beta}.CO.NH$	„	....	60	Roser	A., 220, 271	**46**, 423
Tyroleucine	....	„	....	*240 d.*	Schützenberger	A. C. [5], 16, 289	**36**, 544
„	....	„	....	250	„	C. R., 84, 124	**31**, 725
Diethylic cyanurate	$(CN)_3(OEt)_2(OH)$	$C_7H_{11}O_3N_3$	....	173	Limpricht	A., 74, 208	ii., 293
Methylcaffuric acid	....	$C_7H_{11}O_4N_3$	....	167	Schmidt & Schilling	A., 228, 141	**48**, 995
Diethylic nitrosomalonate	$ON:CH(COOEt)_2$	$C_7H_{11}O_5N$	d.	Liquid	Conrad and Bischoff	B., 13, 599	**38**, 629
„ oxalcarbaminate	EtOOC.NH.CO.COOEt	„	....	45	Salomon	J. p. [2], 9, 292	**27**, 791
Ethylic nitrotartronate	....	$C_7H_{11}O_7N$	....	45–46	Henry	A. C. [4], 28, 415	
Diallyl carbamide	$CO.N_2H_2(C_3H_5)_2$	$C_7H_{12}ON_2$	....	100	Richter	R. K. T., 153	
Amidoheptamide	....	„	....	251 d.	Demarçay	C. R., 86, 1135	**34**, 662
Diethylic amidocyanurate	$C_3N_3(OEt)_2.NH_2$	$C_7H_{12}O_2N_4$	...	97	Hofmann and Olshausen	B., 3, 274; P.R.S., 18, 493	vii., 410
?	....	$C_7H_{12}O_3N_2$	....	147	Behrend	B., 16, 3027	**46**, 583
Ethylsuccinuric acid....	$NHEt.CO.NH.CO.(CH_2)_2.COOH$	$C_7H_{12}O_4N_2$	....	166·5–167	Menschutkin	A., 178, 206	**29**, 380
Dinitroheptylene	$C_7H_{12}(NO_2)_2$	„	....	182	Morris	....	**41**, 176
Methylic cyanurate formamide	$(CO)_3N_3Me_3 + NH_2.COH$	$C_7H_{12}O_4N_4$	....	175	Gautier	A., 149, 315	vi., 529
Hexylic isocyanate	$C_6H_{13}.N:CO$	$C_7H_{13}ON$	*a.*100	....	Pelouze & Cahours	J. [1863], 526	
Suberoxime	$C_7H_{12}:N.OH$	„	....	Liquid	Nägeli	B., 16, 497	**44**, 728
Acetylpiperidine	$C_5H_{10}N.Ac$	„	*224*	Liquid	Schotten	B., 15, 426	**42**, 983
„	„	„	226–227	Liquid	Wallach	A., 214, 238	
Tropigenine	$C_7H_{12}O:NH$	„	....	*161*	Merling	B., 15, 290	**42**, 739
„	„	„	cf. B., 16, 244	159–161	Pesci	G. I., 12, 285, 329	
Diacetone cyanhydrine	$CMe_2(OH).O.CMe_2.CN$	$C_7H_{13}O_2N$	....	135–152	Urech	A., 164, 260	vii., 15; **26**, 60
Amidotrimethylbutyllactide	$Me.C.(O.C:O)CH_2.CMe_2.NH_2$	„	....	a. 180	Heintz	A., 189, 238,	**32**, 878
Nitrosoisobutylketone	$CH_3.CO.CH(NO).Bu^{\beta}$	„	....	42	Treadwell and Westenburger	B., 15, 2788	**44**, 572
Ethylic ?	NHMe.CMe:CH.COOEt or NMe:CMe.CH_2.COOEt	„	133(50); 215 (o.p.)	Liquid	Kuckert	B., 18, 618	**48**, 750
Piperylmethylurethane	$C_5H_{10}N.COOMe$	„	201	Liquid	Schotten	B., 16, 647	**44**, 814
Isoamylic oxamate	$NH_2.CO.COO(C_5H_{11})$	$C_7H_{13}O_3N$	....	92–93	Wallach and Liebmann	B., 13, 507	**38**, 557
Ethylsuccinuramide....	$NH_2.CO.(CH_2)_2.CO.NH.CO.NHEt$	$C_7H_{13}O_3N_3$	....	195–196	Menschutkin	A., 178, 208	**29**, 380
Ethylic glutamate	$C_3H_5(NH_2)(COOH)(COOEt)$	$C_7H_{13}O_4N$.	....	164–165	Habermann	A., 179, 253	**29**, 907
Diethylic guanidodicarbonate	$NH:C(NH.COOEt)_2$	$C_7H_{13}O_4N_3$	....	162 u.c.	Nencki	B., 7, 1588	**28**, 755
Nitrobornesite	No. of nitro-groups ?	$C_7H_{13}O_8N$ (?)	....	30–35	Girard	C. R., 73, 426	**24**, 915
Diethylmalonamide	$CH_2(CO.NHEt)_2$	$C_7H_{14}O_2N_2$	....	149	Wallach and Kamenski	B., 14, 170	**40**, 285
Dimethylpyrotartaramide	$NHMe.CO.CHMe.CH_2.CO.NH.Me$	„	....	113–115	Henry	C. R., 100, 943	**48**, 887
Isoamylic allophanate	$NH_2.CO.NH.COO.C_5H_{11}$	$C_7H_{14}O_3N_2$	....	a. 100	Schlieper	A., 59, 23	i., 133
„ „	„	„	....	*162*	Hofmann	B., 4, 267	
Propiodiacetodiamide	$N_2H_3Ac_2(C_3H_5O)$	„	220	68	Gautier	A., 150, 189	vi., 525
Ethylic β-hydroxyamidoglutamate	$NH_2.CO.CH_2.C(OH)(NH_2).CH_2.COOEt$	$C_7H_{14}O_4N_2$	....	86	Pechmann and Stokes	B., 18, 2291	**48**, 1202
Oxallyldiethylamine....	$NEt_2.C_3H_5O$	$C_7H_{15}ON$	160	Liquid	Reboul	C. R., 97, 1556	**46**, 577
Œnanthaldoxime	....	„	195 c.	50	Westenberger	B., 16, 2992	**46**, 581
Œnanthamide	$C_6H_{13}.CO.NH_2$	„	250–258	*95·2*	Chiozza	A., 91, 102	
„	„	„	....	95·2	Hofmann	B., 15, 983	
„	„	„	....	94–95	Mehlis	A., 185, 369	**34**, 135
Piperethylalkamine	cf. B., 14, 1877	„	199	Liquid	Ladenburg	C. R., 93, 338	**40**, 1157

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hydroxyœnanthamide	$CH_2(OH).(CH_2)_5.CO.NH_2$	$C_7H_{16}O_2N$	....	147	Helms	B., 8, 1170	**29**, 375
Methamido-α-caproic acid	$Me.(CH_2)_3.CH(NHMe).COOH$	"	....	w.m. 110	Duvillier	C. R., 90, 822	**38**, 543
?	....	"	193–197	....	Beilstein and Kurbatow	B., 13, 2029	
Ethylic β-methamido-β-hydroxybutyric acid	$NHMe.CMe(OH).CH_2.COOEt$	$C_7H_{15}O_3N$	....	42–43	Kuckert	B., 18, 618	**48**, 750
Triethylcarbamide	$NHEt.CO.NEt_2$	$C_7H_{16}ON_2$	223 c.	63	Hofmann	P. R., 11, 273	ii., 565
"	"	"	223	63	Michler	B., 8, 1665	**29**, 702
"	"	"	235	....	Wurtz	R. [1862], 199	ii., 565
Pseudohexylcarbamide	$NH_2.CO.NH.C_6H_{13}$	"	220 p.d.	127	Chydenius	B. S. [2], 7, 481; Z. C. [1867], 382	vi., 1117
Diisopropylcarbamide	$NHPr^β.CO.NH.Pr^β$	"	....	192	Hofmann	B., 15, 756	
Nitrosotriacetonamine	....	$C_7H_{16}O_2N_2$	....	72–73	Heintz	A., 185, 1	**32**, 428
Trimethylene diethylalkine	....	$C_7H_{17}ON$	189·5	Liquid	Behrend	B., 17, 512	**46**, 1115
Diethylpropylalkine....	....	"	158–159	Liquid	Ladenburg	B., 14, 2407	**42**, 165
Diethylpropylglycoline	$NEt_2.CH_2.CH(OH).CH_2.OH$	$C_7H_{17}O_2N$	233–235	Liquid	Roth	B., 15, 1151	**42**, 1195
Tetramethylallylalkine	$C_3H_6(OH)Me_4N_2$	$C_7H_{18}ON_2$	170–185	Liquid	Behrend	B., 17, 510	**46**, 1114
Hydroxyallyldiethyldiamine	$(NHEt)_2.C_3H_5.OH$	"	185	Liquid	Reboul	C. R., 97, 1488	**46**, 579
Nitrophthalic anhydride	$C_6H_3(NO_2):(CO)_2:O=4.2.1$	$C_8H_3O_5N$	....	114	Miller	A., 208, 230	**42**, 404
Nitrobenzoic cyanide	$NO_2.(CO.CN)=1.2$	$C_8H_4O_3N_2$	....	54	Claisen and Shadwell	B., 12, 351	
Nitrobenzoyl cyanide	" =1.3	"	230–231·5 (142–147)	L—17	Claisen and Thompson	B., 12, 1943	**38**, 253
Nitroisatin	$C_6H_4.CO.CO.N.NO_2=1.2$	$C_8H_4O_4N_2$	....	226–230	Baeyer	B., 12, 1313	**36**, 938
Nitroisatoic acid	....	$C_8H_4O_5N_2$	....	220–230 d.	Kolbe	J. p. [2], 30, 467	**48**, 666
Dinitrophthalic acid....	$(COOH)_2.(NO_2)_2=1.2.3.6$	$C_8H_4O_8N_2$	....	200	Merz and Weith	B., 15, 2727	**44**, 344
" "	" =1.2.3.5	"	....	*227*	"	B., 15, 2725	"
" "	" "	"	....	226	Beilstein and Kurbatow	B., 13, 354; C. C. [1881], 359	**38**, 478; **42**, 63
" "	" =1.2.?.?	"	....	266	"	B. S. (2), 34, 327	**40**, 436
Dinitrohydroxyterephthalic acid	$(COOH)_2.OH.(NO_2)_2=1.4.(?)_3$	$C_8H_4O_9N_2$	....	178	Burkhardt	B., 10, 1273	**34**, 73
Benzoyl cyanide	$C_6H_5.CO.CN$	C_8H_5ON	*206–208*	*31*	Strecker	A., 90, 62	i., 568
" "	"	"	....	32–33	Hübner & Buchka	B., 10, 480	
Nitrophenylacetylene	$C_6H_4(NO_2).C:CH=1.2$	$C_8H_5O_2N$	....	80	Müller	A., 212, 140	**42**, 844
"	" "	"	....	*81–82*	Baeyer	B., 13, 2259	**40**, 275
"	" =1.4	"	....	149	Müller	A., 212, 133	**42**, 842
"	" "	"	....	*152*	Drewsen	A., 212, 150	**42**, 847
Cyanobenzoic acid	$COOH.CN=1.3$	"	....	217	Sandmeyer	B., 18, 1499	**48**, 981
Phthalimide	$C_6H_4:(CO)_2:NH=1.2$	"	....	226–227 u.c.	Michael	B., 10, 579	
"	" "	"	....	227	Sandmeyer	B., 18, 1499	**48**, 981
"	" "	"	....	*228–229*	Landsberg	A., 215, 181	**44**, 475
"	" "	"	....	228–229	Biedermann	B., 10, 1166	
"	" "	"	....	229	Piutti	G. I., 12, 169	**42**, 1297
"	" "	"	....	230	Kuhara	A. C. J., 3, 28	**40**, 1040
Anthroxanaldehyde	$C_6H_4.N.O.C.CHO=1.2$	"	....	72·5	Schillinger and Wleügel	B., 16, 2223	**46**, 60
Isatin	$C_6H_4.CO.C(OH):N=1.2$	"	....	200–201	Baeyer	B., 15, 2094	
?	....	"	....	192	Kuhara	A. C. J., 3, 26	**40**, 1040
Anthroxanic acid	$C_6H_4.N.O.C.COOH=1.2$	$C_8H_5O_3N$	....	190–191	Shillinger and Wleügel	B., 16, 2224	**46**, 60
Anthranilcarboxylic acid (Isatoic acid)	$C_6H_4.CO.N.COOH=1.2$	"	....	*230 d.*	Friedländer and Wleügel	B., 16, 2228	**46**, 61
" "	" "	"	....	230	Kolbe	J. p. [2], 30, 467	**48**, 665
Phthalyl hydroxylamine	$N(C_8H_4O_2).OH$	"	....	230 u.c.	Cohn	A., 205, 295	**40**, 586
Nitrophthalic aldehyde	$(COH)_2.NO_2=1.2.3$ or 4	$C_8H_5O_4N$	cf. A., 202, 219	135	Beilstein and Kurbatow	B., 12, 688; C. C. [1881], 359	**36**, 722; **42**, 63

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrobenzoylformic acid	$C_6H_4(CO.COOH).NO_2$=1.2	$C_8H_5O_5N$	....	122–123	Claisen & Thompson	B., 12, 1945	
„ „	„ „	„	+xH_2O	46–47	„	„	
„ „	„ =1.3	„	....	77–78	„	„	**38**, 254
Nitroterephthalaldehydic acid	$COH.COOH.NO_2$=1.4.6	„	....	160	Löw	B., 18	**48**, 799
Nitropiperonal	$CH_2:O_2:C_6H_2(NO_2)COH$ =4.3.?.1	„	....	95·5	Remsen and Fittig	Z. C. [2], 6, 97; A., 159, 134	vi., 948; **24**, 935
Nitrophthalic acid	$(COOH)_2.NO_2$=1.2.3	$C_8H_5O_6N$	....	208–210	Faust	A., 160, 57	**25**, 75
„ „	„ „	„	....	208–210	Engelhardt and Latschinoff	Z. C. [2], 7, 262	vii., 978
„ „	„ „	„	cf. B. 10, 294	208–210	Guareschi	G. I., 7, 24	**31**, 712
„ „	„ „	„	....	212	Aguiar	B., 5, 899	**28**, 175
„ „	„ „	„	....	212	Merz and Weith	B., 15, 2724	**44**, 344
„ „	„ „	„	....	212	Beilstein and Kurbatow	B., 12, 688; C. C. [1881], 359	**36**, 722; **38**, 399; **42**, 63
„ „	„ „	„	....	213	Diehl and Merz	B., 11, 1667	**36**, 252
„ „	„ „	„	....	212–220	Graeff	B., 15, 1127	**42**, 1212
„ „	„ „	„	d. 210	*218 s.t.*	Miller	A., 208, 237	**42**, 404
„ „	„ „	„	....	219–220	Claus and May	B., 14, 1330	
„ „	„ =1.2.4	„	....	135 (?)	Beilstein and Kuhlberg	B. S. [2], 31, 200	**36**, 644
„ „	„ „	„	d. 165	160	Miller	B., 11, 393	**34**, 504
„ „	„ „	„	cf. B. 11, 1191	*161*	„	A., 208, 229	**42**, 404
Nitroisophthalic acid	„ =1.3 ?	„	....	233–239	Storrs and Fittig	A., 153, 283	vii., 979
„ „	„ =1.3.5	„	....	248–249	„	A., 153, 285	„
„ „	„ „	„	....	248–249	Beyer	J. p. [2], 22, 352	**40**, 96
„ „	„ „	„	....	*249*	„	J. p. [2], 25, 470	**42**, 1294
„ „	„ =1.3. ?	„	....	260	„	J. p. [2], 22, 351	**40**, 96
Nitroterephthalic acid	„ =1.4.5	„	....	259	Fittig	Lehrb., 409	
„ „	„ „	„	....	*270*	Burkhardt	B., 10, 145	
Nitropiperonylic acid	$CH_2:O_2:C_6H_2(NO_2).COOH$ =4.3.?.1	„	....	172 u.c.	Jobst and Hesse	B., 11, 1033; A., 199, 70	**34**, 733
Pyridine tricarboxylic acid....	$N.(COOH)_3$=1.2.3.4	„	d. 190	n. f. 193	Michael	B., 18, 2028	
„ „ „	„ =1.2.4.6 or 1.3.4.5	„	....	227 d.	Voigt	A., 228, 29	**48**, 812
„ „ „ (Berberonic acid)	„ = ?	„	cf. B. 12, 410	243	Fürth	M. C., 2, 416	**42**, 230
β-Pyridine tricarboxylic acid	„ „	„	....	244 u.c.; d.	Hoogewerff & Dorp	B., 12, 158	**36**, 541
β- „ „ „	„ „	„	....	*244 d.*	Böttinger	B., 13, 2049	**40**, 182
α- „ „ „	„ „	„	....	244–250 p.d.	Richter	R. K. T., 181	
Trinitrophenylic acetate	$OAc.(NO_2)_3$=1.2.4.6	$C_8H_5O_8N_3$	....	75–76	Tommasi & David	A., 169, 167; C. R. 77, 207	vii., 910; **26**, 1238
Trinitrocresotic acid....	$C_6Me.OH.COOH.(NO_2)_3$	$C_8H_5O_9N_3$	A., 64, 23	170–180	Liebermann & Dorp	A., 163, 100	
Anhydroformyl amidobenzamide	....	$C_8H_6ON_2$	....	209–210	Weddige	J. p. [2], 31, 124	**48**, 661
Carbimidoamidobenzoyl	$C_6H_4.CO.C(:NH).NH$	„	....	214	Griess	B., 18, 2419	**48**, 1227
Hydroxycinnoline	$C_6H_4.N:N.CH:C(OH)$=1.2	„	....	225	Richter	B., 16, 681	**44**, 1105
?	....	„	....	139	Salkowski	B., 17, 508	**46**, 1176
Azoxindole	....	„	....	w.m. 220	Baeyer and Knop	A., 140, 27	vi., 736
Benzenylazoxime carbinol	$Ph.C:N.O.C(OH):N$	$C_8H_6O_2N_2$	....	197	Falck	B., 18, 2469	**48**, 1217
Benzoylene carbamide	....	„	....	a. 350	Griess	B., 2, 416	
Nitrosoisophthalidine	$C_6H_4.C(:N.NO).O.CH_2$=1.2	„	....	156	Græbe	B., 17, 2599	**48**, 166
Dihydroxyquinoxaline	$C_6H_4:[N:C(OH)]_2:$=?	„	....	280	Bladin	B. S., 42, 104	**48**, 257
„	„ =1.2	„	....	n. f. 290	„	B., 18, 674	**48**, 786
Cyanamidobenzoic acid	$C_6H_4.COOH.(NH.CN)$=1.3	„	d.a. 140	200 d.	Traube	B., 15, 2114	**44**, 192
„ „	„ =1.2.(?)	„	....	a. 350	Griess	P. R., 18, 91	vi., 320
Nitro-α-toluic nitril	$C_6H_4.NO_2.(CH_2.CN)$=1.2	„ (?)	cf. B. 17, 505	45	Perkin	B., 16, 341	**43**, 112
„ „	„ „	„	....	*84*	Salkowski	B., 17, 507	**46**, 1176
„ „	„ =1.3	„	....	*61*	„	B., 17, 504	„
„ „	„ =1.4	„	....	*114*	Radziszewsky	B., 3, 198	
„ „	„ „	„	....	116	Gabriel	B., 15, 834	**42**, 1070

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitro-α-toluic acid	$C_6H_4.NO_2.(CH_2.CN)=1.4$	$C_8H_6O_2N_2$	....	116	Gabriel	B., 14, 2342	**42**, 188
Nitrotoluic nitril	$Me.CN.NO_2=1.3.?$	,,	....	80	Beilstein & Kreusler	A., 144, 176	
?	Is not $C_6H_4(NO_2)CH_2.CN$ q.v.	,,	cf. 43, 112	45	Salkowski	B., 17, 505	
Nitrosoindoxyl	$C_6H_4.C(OH):C(NO).NH=1.2$	,,	....	d. w. m. 200	Baeyer	B., 15, 783	
Azodioxindol	....	,,	s.b. 260	300	Baeyer and Knop	A., 140, 26	vi., 736
Nitroxindol	$C_6H_4.NH.CO.CH.NO_2=1.2$	$C_8H_6O_3N_2$	....	d. 175	Baeyer	B., 12, 1313	**36**, 938
Nitrosodioxindol	....	,,	....	300–310	Baeyer and Knop	A., 140, 20	vi., 735
Methoxynitrobenzonitril	$OMe.CN.NO_2=1.4.?$	,,	cf. B., 2, 668	149–150	Henry	Z. C. [2], 6, 209	vii., 81
,, ,, ...	,, $=1.2.3$	,,	....	171	Bruyn	R. T., 2, 205	**48**, 656
Nitrophenylnitroethylene	$C_6H_4(NO_2)(CH:CH.NO_2)=1.2$	$C_8H_6O_4N_2$	....	106	Priebs	A., 225, 319	**48**, 161
,, ...	,, $=1.3$	,,	....	122	Friedländer and Lazarus	A., 229, 233	**48**, 1138
,, ...	,, $=1.4$	,,	cf. B., 16, 851	199	Friedländer and Mähly	A., 229, 210	,,
Nitrobenzoylformamide	$C_6H_4(NO_2)(CO.CO.NH_2)=1.2$	,,	....	189	Claisen & Shadwell	B., 12, 352	
,,	,, $=1.3$	,,	....	151–152	Claisen & Thompson	B., 12, 1944	**38**, 254
,,	,, ,,	,,	....	151–152	Thompson	B., 14, 1187	
Dinitrotoluic aldehyde	$Me.COH.(NO_2)_2=1.3.2.?$	$C_8H_6O_5N_2$	....	110–112	Bornemann	B., 17, 1473	**46**, 1163
Dinitro-α-toluic acid....	$(CH_2.COOH)(NO_2)_2=1.2.4$	$C_8H_6O_6N_2$	cf. B., 2, 210	160	Radziszewsky	Z. C. [2], 5, 358	vi., 1102
,, ,, ...	,, ,,	,,	....	160	Gabriel and Meyer	B., 14, 823	**40**, 729
,, ,, ...	,, ,,	,,	....	160	Heckmann	A., 220, 128	**46**, 178
Dinitrotoluic acid	$Me.COOH.(NO_2)_2=1.4.2.6$	,,	....	157–158	Brückner	B., 8, 1678	**29**, 925
,, ,, ...	,, $=1.2.4.6$	,,	....	206	Jacobsen & Wierss	B., 16, 1959	**44**, 1121
α-Dinitromethoxybenzaldehyde	$COH.OMe.(NO_2)_2=1.3.(?)_2$	,,	....	110	Tiemann & Ludwig	B., 15, 2056	**44**, 189
α- ,,	,, ,,	,,	....	110	Ludwig	C. C. [1884], 35	**48**, 664
β- ,,	,, ,,	,,	....	155	,,	,,	,,
β- ,,	,, ,,	,,	....	155	Tiemann & Ludwig	B., 15, 2056	**44**, 189
Dyslyte (cf. A., 81, 103) ...	....	$C_8H_6O_6N_4$	....	189 c.	Bassett	Z. C. [1871], 701	**25**, 100
Methylic dinitrosalicylate	$COOMe.OH.(NO_2)_2=1.2.(?)_2$	$C_8H_6O_7N_2$	....	124–125	Cahours	A. C. [3], 25, 6	v., 164
,, ,, ...	,, ,,	,,	....	*127–128*	Salkowski	A., 173, 43	**28**, 71
Dinitranisic acid	$COOH.OMe.(NO_2)_2=1.4.(?)_2$	,,	....	171–173	,,	A., 163, 57	vii., 336; **25**, 716
,, ,, ...	,, $=1.4.3.5$	,,	....	*181–182*	Salkowski and Rudolph	B., 10, 1254	**34**, 72
Nitrosonitrobarbituric acid (violantin)	....	$C_8H_6O_9N_6$	$+4H_2O$	d. 120	Baeyer	A., 127, 226	
Pentanitrodimethylaniline	$C_6.NMe_2.(NO_2)_5$	$C_8H_6O_{10}N_6$	....	127	Michler and Meyer	B., 12, 1793	**38**, 108
,, ...	,,	,,	....	127	Michler & Salathé	B., 12, 1790	,,
Phenoxyacetonitril	$PhO.CH_2.CN$	C_8H_7ON	235–238	Liquid	Fritzsche	J. p. [2], 20, 278	**38**, 319
Mandelic nitril	$Ph.CH(OH).CN$	,,	cf. B., 14, 239	s.—10	Tiemann & Friedländer	B., 14, 1967	**42**, 56
,, ,, ...	,,	,,	170 d.	....	Voelckel	P. A., 62, 444	i., 570
Benzyl isocyanate	$Ph.CH_2.N:CO$	,,	....	153	Cannizzaro	G. I., 1, 33	**24**, 927
,, ,,	,,	,,	175–200	....	Letts	B., 5, 91	vii., 178, 180
Phenylglycocine anhydride....	$Ph.N.CH_2.CO$	,,	....	263	Meyer	B., 10, 1967	**34**, 294
Tolyl isocyanate	$C_6H_4Me.N:CO=1.2$	,,	186	....	Girard	B., 6, 445	**26**, 912
,, ,, ...	,, $=1.4$	,,	185	Liquid	Hofmann	P. R., 19, 108; B., 3, 656	**24**, 139; vii., 407
Anisonitril (cf. Z.C. [2], 6, 209)	$C_6H_4.OMe.CN=1.4$	,,	253–254 u.c.	56–57	Henry	B., 2, 667	vii., 81
Hydroxy-α-toluic nitril	$C_6H_4(OH).(CH_2.CN)=1.3$	,,	....	52–53	Salkowski	B., 17, 506	**46**, 1176
,, ,, ...	,, $=1.2(?)$	,,	....	69	Will	Z. C. [2], 7, 89	**24**, 408; vii., 832
,, ,, ...	,, ,,	,,	....	69	Will and Laubenheimer	A., 199, 156	**38**, 265
,, ,, ...	,, $=1.4$	,,	....	69–70	Salkowski	B., 17, 506	**46**, 1175
Ethenylamidophenol	$C_6H_4.O.CMe:N=1.2$	,,	200–201	Liquid	Ladenburg	B., 9, 1524	**31**, 302
Phthalidine	$C_6H_4.C(:NH).O.CH_2=1.2(?)$	,,	337 c. (730)	150	Græbe	B., 17, 2598	**48**, 166

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Oxindole	$C_6H_4.CH_2.CO.NH$ or $C_6H_4.C(OH):CH.NH=1.2$	C_8H_7ON	....	120	Baeyer and Knop	A., 140, 29	vi., 736
Methenylamidocresol	$C_6H_3Me.O.CH:N=1.2.3$	"	200	38–39	Hofmann Miller	B., 14, 570	40, 593
"	" =1.4.3	"	....	*45–46*	"	B., 14, 572	"
"	" "	"	....	46	Nölting and Kohn	B., 17, 361	
Piperpropylalkamine	....	"	197	....	Ladenburg	C. R., 93, 338	40, 1158
? (cf. B. 2, 417; 13, 977)	$C_6H_4.NH.C(NH).C(OH):N=1.2$	$C_8H_7ON_3$	....	nf. 280	Bladin	B., 18, 673; B. S., 42, 104	48, 257, 785
β-Benzoyl formamide	$Ph.CO.CO.NH_2$	$C_8H_7O_2N$	$+H_2O$	64–65	Claisen	B., 10, 1665	34, 151
β- " "	"	"	....	*79–80*	"	B., 12, 633	
α- " "	"	"	....	90–91	"	B., 10, 1664; 12, 633	34, 151
γ- " "	"	"	....	130	"	B., 10, 1665	"
γ- " "	"	"	$(C_8H_7O_2N)_2$	*134–135*	"	B., 12, 635	36, 649
Phenylnitroethylene....	$Ph.CH:CH.NO_2$	"	cf. A., 31, 269	56–57	Alexejew	B., 6, 1209	27, 261
"	"	"	cf. A., 53, 297	56·5–57	Priebs	B., 16, 2591	46, 313
"	"	"	....	57–58	Gabriel	B., 18, 2438	
....	"	"	....	*58*	Erdmann	B., 17, 413	46, 906
Isophenylnitroethylene	....	"	....	172–180	Priebs	A., 225, 319	48, 161
Nitrostyrolene	$C_6H_4(NO_2)(CH:CH_2)=1.3$	"	....	—5	Prausnitz	B., 17, 598	46, 1175
"	" =1.2	"	....	12–13·5	Einhorn	B., 16, 2213	
"	" =1.4	"	....	29	Basler	B., 16, 3006	46, 604
Amidophenoxyacetic anhydride	$C_6H_4.O.CH_2.CO.NH=1.2$	"	....	143–144	Thate	J. p. [2], 25, 266	42, 849
" "	" "	"	....	143–144	Fritzsche	J. p. [2], 20, 288	38, 320
" "	" =?	"	....	166–167	Thate	J. p. [2], 29, 145	46, 1171
Dioxindole	$C_6H_4.CH(OH).CO.NH$ or $C_6H_4.C(OH):C(OH).NH=1.2$	"	....	180 p.d.	Baeyer and Knop	A., 140, 9	vi., 735
Nitrophthalene	....	"	280–320	48	Dusart	A. C. [3], 44, 332	iv., 113
Nitroamido-α-toluic nitril	$(CH_2.CN).NH_2.NO_2=1.4.5$	$C_8H_7O_2N_3$	....	117–118	Gabriel	B., 15, 839	42, 1070
Phenylic oxamate	$NH_2.CO.COOPh$	$C_8H_7O_3N$	....	132	Wallach and Liebmann	B., 13, 507	38, 558
Phenyloxamic acid (oxanilic)	$NHPh.CO.COOH$	"	fr. C_6H_6	149–150	Klinger	A., 184, 265	31, 710
" " "	"	"	fr. ether	150–151	"	"	"
Isonitrosophenylacetic acid ...	$Ph.C(NOH).COOH$	"	....	127–128	Müller	B., 16, 1620	44, 429
Nitroacetophenone	$CH_3.CO.C_6H_4.NO_2=1.2$	"	cf. B., 3, 886	Liquid —20	Gevekoht	B., 16, 2084	44, 191
"	" =1.3	"	"	80–81	Hübner & Buchka	B., 10, 1714	34, 147
"	" =1.4	"	....	80–81	Drewsen	A., 212, 159	42, 847
Terephthalamic acid....	$COOH.(CO.NH_2)=1.4$	"	....	214	Sandmeyer	B., 18, 1498	48, 981
Amidobenzoyl formic acid	$NH_2.(CO.COOH)=1.3$	"	....	270–280 d.	Claisen & Thompson	B., 12, 1946	38, 254
?	....	"	....	261	Ost	J. p. [2], 27, 270	44, 792
Methylic nitrobenzoate	$COOMe.NO_2=1.3$	$C_8H_7O_4N$	279	70	Chancel	A., 72, 275	i., 556
" "	" =1.4	"	....	96	Wilbrand and Beilstein	A., 128, 263	iv., 61
Nitrophenylacetic acid	$(CH_2.COOH).NO_2=1.2(?)$	"	....	98	Radziszewsky	B., 3, 648	37, 96
" "	" =1.4 (?)	"	mixture (?)	114	"	B., 2, 209; 3, 648; Z. C. [2], 5, 358	37, 96; 38, 119; vi., 1102
" "	" =1.3	"	....	*117*	Gabriel & Borgmann	B., 16, 2065	44, 1121
" "	" "	"	....	120	Salkowski	B., 17, 506	46, 1176
" "	" =1.4.(?)	"	ortho-?	133–136	Forrer	B., 17, 985	46, 1021
" " ...	" =1.2	"	....	*137–138*	Bedson	B., 13, 574	37, 93
" "	" "	"	....	141	Salkowski	B., 17, 507	46, 1176
" "	" =1.4	"	....	150–151	Bedson	B., 13, 574	37, 91
" "	" "	"	....	151	Wittenberg	B. S., 43, 111	48, 661
" "	" "	"	....	149–152	Gabriel	B., 14, 2342	
" " ...	" "	"	....	*151·5–152*	Maxwell	B., 12, 1765	37, 96; 38, 120
Nitroacetoxybenzene	$OAc.NO_2=1.2$	"	253 p.d.	40–41	Böttcher	B., 16, 1934	44, 1113

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methylic nitrosophenolcarboxylate	$C_6H_4(NO)(O.COOMe)$	$C_8H_7O_4N$	....	137	Walker	B., 17, 400	**46**, 1003
Nitrotoluic acid	$Me.COOH.NO_2$=1.2.3	"	....	*103 u.c.*	Claus and Mann	B., 18, 1122	**48**, 888
" "	" =1.2.6	"	....	145	Fittig and Ramsay	A., 168, 202	**27**, 68
" "	" "	"	....	145	Jacobsen & Wierss	B., 16, 1958	**44**, 1121
" "	" "	"	....	*145*	Jacobsen	B., 17, 162–164	**46**, 745
" "	" "	"	....	145	Fittig and Bieber	A., 146, 245	
" "	" "	"	....	145	Weith	B., 6, 420	
" "	" =1.2.5	"	....	*152*	Jacobsen	B., 17, 162–164	**46**, 745
" "	" =1.3.5	"	....	*167*	Thöl	B., 18, 361	**48**, 522
" "	" =1.2.4	"	....	179	Jacobsen & Wierss	B., 16, 1958	**44**, 1121
" "	" "	"	....	*179*	Jacobsen	B., 17, 162–164	**46**, 745
" "	" =1.3.4	"	....	*182*	"	B., 14, 2354	**42**, 185
" "	" = ?	"	....	184·5	Landolph	B., 6, 939	
" "	" =1.4.6	"	....	188–189	Fittig and Ramsay	A., 168, 251	**27**, 68
" "	" "	"	....	189	Fittiea	A., 172, 309	**28**, 59
" "	" "	"	....	189–190	"	B., 6, 939	**26**, 1227
" "	" "	"	....	190	Ahrens	Z. C. [2], 5, 104	vi., 1101
" "	" "	"	....	*190*	Gerichten & Rössler	B., 11, 706	
" "	" =1.4.5(?)	"	....	189	Fittica	A., 172, 303	**28**, 59
" "	" "	"	....	190	"	B., 7, 927	**27**, 1166; **34**, 672
" "	" =1.3.6	"	....	211	Iles and Remsen	B., 11, 1328	**36**, 53
" "	" "	"	....	*214*	Remsen & Kuhara	A. C. J., 3, 424	**42**, 607
" "	" "	"	cf. A., 144, 168	214	Kelbe and Warth	A., 221, 157	**46**, 46
" "	" " (?)	"	....	217–218	Ahrens	Z. C. [2], 5, 105	vi., 1101
" "	" =1.3.2	"	....	*219*	Jacobsen	B., 14, 2353	**42**, 185
" "	" "	"	....	220	Ahrens	Z. C. [2], 5, 105	vi., 1101
Nitromethoxybenzaldehyde	$COH.OMe.NO_2$=1.2.?	"	....	88	Voswinckel	B., 15, 2027	**44**, 190
"	" =1.3.?	"	....	*82–83*	Tiemann & Ludwig	B., 15, 2055	
"	" "	"	....	82–83	"	B., 15, 3052	
"	" =1.3.?	"	....	98	"	B., 15, 2055	
"	" "	"	Mixture	98	"	B., 15, 3054	
"	" =1.3.?	"	....	104–105	"	B., 15, 3057	
"	" "	"	....	*107*	"	B., 15, 2054	
Amidoisophthalic acid	$(COOH)_2.NH_2$=1.3.5	"	cf. J. p. [2], 25, 491	a. 300	Storrs and Fittig	A., 153, 289	
Amidotrephthalic "	" =1.4.5	"	....	d.w.m.	Burkhardt	B., 10, 145	
Aldoxime salicylic "	COOH.OH.(CHNOH)=1.2.5	"	....	179	Fürth	B., 16, 2182	**46**, 42
" " "	" =1.2.3	"	....	193	"	"	"
Nitrohydroxytoluic aldehyde	$COH.Me.OH.NO_2$=1.3.6.5	"	....	141	Schotten	B., 11, 788	**34**, 878
" "	" =1.3.4.5	"	....	152	"	B., 11, 789	"
Methylquinolinic acid	$N.Me.(COOH)_2$=? ; on ox. =$N.(COOH)_3$=1.2.3.5 or 6	"	....	d. 180–185	Hoogewerff and Dorp	B., 14, 645	
" "	" "	"	....	186 d.	Königs	B., 14, 104	
Apophyllic acid	$C_5H_3N(COOMe)(COOH)$	"	....	205	Anderson	A., 86, 196	**5**, 257; i., 350
" "	"	"	....	*241–242*	Gerichten	B., 13, 1636	
Nitromandelic acid	$NO_2.C_6H_4.CH(OH).COOH$ =1.3	$C_8H_7O_6N$	....	120	Beyer	J. p. [2], 31, 382	**48**, 983
Nitrophenoxyacetic acid	$NO_2.C_6H_4.O.CH_2.COOH$=?	"	....	153	Fritzsche	J. p. [2], 19, 33	**36**, 322
" "	" =1.2	"	....	156·5	Thate	J. p. [2], 29, 149	**46**, 1170
" "	" "	"	....	*156·5*	Fritzsche	J. p. [2], 20, 283	**38**, 319
" "	" =1.4	"	....	183	"	J. p. [2], 20, 267	**38**, 320
Nitromethoxybenzoic acid	$COOH.OMe.NO_2$=1.2.?	"	....	88–89	Cahours	A. C. [3], 10, 345	v., 164
" "	" =1.2.?	"	....	148–149	Kraut	A., 150, 6; 173, 41	vi., 1005
" "	" =1.4.5	"	....	175–180	Cahours	A.	i., 302
" "	" "	"	....	186–187	Richter	R. K. T., 186	
" "	" "	"	....	189	Salkowski and Rudolph	B., 10, 1255	
Nitrohydroxytoluic acid	$COOH.Me.OH.NO_2$=1.3.4.?	"	....	85	Iles and Remsen	B., 11, 463	**34**, 505
" "	" "	"	....	*86–87*	Mahon	A. C. J., 4, 186	**42**, 1205
" "	" =1.4.5.3	"	....	186–187	Gerichten & Rössler	B., 11, 706	**34**, 672
" "	" "	"	....	*187–188*	Ahrens	Z. C. [2], 5, 105	vi., 1101

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrodihydroxyacetophenone	$(OH)_2.NO_2.Ac=1.3.(?)_2$	$C_8H_7O_5N$	....	142	Nencki and Silber	J. p. [2], 23, 151	**40**, 591
Methoxyquinolinic acid	$N.OMe.(COOH)_2=1.2.5.6$	"	....	140 d.	Feer and Königs	B., 18, 2398	**48**, 1235
Dinitroacetanilide	$NHAc.(NO_2)_2=1.2.4$	"	....	120	Rudnew	Z. C. [2], 7, 202	**24**, 712
"	" $=1.2.6$	"	....	197	Salkowski	B., 10, 1696	
Nitroisovanillic acid	$COOH.OH.OMe.NO_2$ $=1.3.4.?$	$C_8H_7O_6N$	....	172–173	Matsmoto	B., 11, 133	**34**, 502
Nitrovanillic acid	" $=1.4.3.5$	"	....	202	Weselsky and Benedikt	M. C., 3, 392	**42**, 1201
" "	" $=1.4.3.?$	"	....	d.w.m. 210	Tiemann and Matsmoto	B., 9, 944	**30**, 525
" "	" "	"	....	d.w.m. 210	Matsmoto	B., 11, 133	
Methylic dinitroamidobenzoate	$COOMe.NH_2.(NO_2)_2$ $=1.4.(?)_2$	$C_8H_7O_6N_3$	....	144	Salkowski	A., 163, 11	**25**, 714; vii., 336
" "	" $=1.2.(?)_2$	"	....	165	"	A., 173, 46; B., 4, 872	**28**, 71; vii., 336
Trinitroethylbenzene	$Et.(NO_3)_3=?$	"	....	Liquid	....	....	v., 1058
Trinitroxylene	$Me_2.(NO_2)_2=1.2.3.4.?$	"	....	55	Fittig and Bieber	....	vi., 294
" (cf. G.I., 10, 317)	" $=1.4.2.3.5$	"	....	127	Schiff	B., 13, 1408	**38**, 892
"	" "	"	....	129·5	Fittig	A., 153, 276	**24**, 554
"	" "	"	....	*137*	Glinzer and Fittig	A., 136, 307	v., 857, 1058
"	" "	"	....	137	Fittig and Ahrens	A., 147, 15	vi., 294
"	" $=1.3.2.4.6$	"	....	176	Preis & Raymann	B., 12, 220	**36**, 623
"	" "	"	....	176	Fittig	A., 148, 5	
"	" "	"	....	176–177	Fittig and Ahrens	A., 147, 17	vi., 294
"	" "	"	....	177	Luhmann	A., 144, 276	
"	" "	"	....	*176*	Grevingk	B., 17, 2424	**48**, 144
"	" "	"	....	177	Beilstein	A., 133, 45	v., 1058
"	" $=1.3.4.(?)_2$	"	....	182	Tilden	....	**45**, 416
Trinitropetrol	$C_8H_7(NO_2)_3$	"	....	162	Bussenius and Eisenstuck	A., 113, 151	iv., 382
Ethylic nitrocomenate ...	$C_5HO_2(NO_2)(OH).COOEt$	$C_8H_7O_7N$	....	147	Reibstein	J. p. [2], 24, 279	**42**, 197
Trinitrophenetoïl	$OEt.(NO_2)_3=1.2.4.6$	$C_8H_7O_7N_3$	....	78	Willgerodt	B., 12, 1278	**36**, 923
"	" "	"	....	*78·5*	Müller & Stenhouse	A., 141, 80	**19**, 236; vi., 911
Trinitroethylresorcinol	$OEt.OH.(NO_2)_3=1.3.2.4.6$	$C_8H_7O_8N_3$	....	120·5	Stenhouse	19, 238	vi., 893
Trinitrodimethylquinol	$(OMe)_2.(NO_2)_3=1.4.2.3.5$	"	....	100–101	Habermann	B., 11, 1038	
Trinitrodimethylresorcinol	" $=1.3.4.(?)_2$	"	....	123–124 u.c.	Hönig	B., 11, 1042	**34**, 728
Trinitrodimethylcatechol	" $=1.2.3.4.?$	"	....	144–145 u.c.	Tiemann and Matsmoto	B., 9, 940	**30**, 524
"	" "	"	....	144–145	Matsmoto	B., 11, 131	
Amidoxindole	$C_6H_3(NH_2).CH_2.CO.NH$ $=1.4.5$	$C_8H_8ON_2$	....	200 d.	Gabriel and Meyer	B., 14, 832	**40**, 731
Nitrosoacetanilide	$C_6H_5.NAc.NO$	$C_8H_8O_2N_2$	....	40–41	Fischer	B., 9, 464	**30**, 205
Benzoyl carbamide	$NH_2.CO.NHBz$	"	....	171	Miguel	B. S. [2], 25, 104	**30**, 73
" "	"	"	cf. A., 92, 404	200	....	Z. C. [1868], 305	i., 753
Phenyl oxamide	$NH_2.CO.CO.NHPh$	"	A., 73, 184	224	Klinger	A., 184, 271	
Phenylhydrazine glyoxylic acid	$Ph.N_2H:CH.COOH$	"	....	d. 137	Fischer	B., 17, 578	**46**, 1151
" "	"	"	....	d. 137	Elbers	A., 227, 340	**48**, 535
Phenylglyoxime	$Ph.C(:N.OH).CH:N.OH$	"	....	152	Schramm	B., 16, 2186	**46**, 52
Diformyldiamidobenzene	$C_6H_4(NH.CHO)_2=1.3$	"	....	155	Tobias	B., 15, 2447	**44**, 326
"	" $=1.4$	"	....	203·5–204	Wundt	B., 11, 828	**34**, 668
Formamidobenzamide	$NH_2.CO.C_6H_4.NH.CHO=1.2$	"	....	123	Weddige	J. p. [2], 31, 124	**48**, 661
Isophthalamide	$C_6H_4(CO.NH_2)_2=1.3$	"	....	265	Beyer	J. p. [2], 22, 352	**40**, 96
Terephthalaldoxine	$C_6H_4(CH:NOH)_2=1.4$	"	....	200	Westenberger	B., 16, 2995	**46**, 581
Nitrosophenylglycocoll	$Ph.N(NO).CH_2.COOH$	$C_8H_8O_3N_2$	....	105 d.	Schwebel	B., 11, 1132	**34**, 795
Nitro-acetanilide	$C_6H_4(NO_2).NHAc=1.2$	"	....	78	Hübner	B., 9, 775	**30**, 309
" "	" "	"	....	92–93	"	A., 209, 352	
" "	" $=1.3$	"	....	141–143	Meyer and Stuber	A., 165, 183	**25**, 305
" "	" "	"	....	143	Levinstein	D. P., 256, 471	**48**, 1127
" "	" $=1.4$	"	....	207	Nölting and Collin	B., 17, 262	**46**, 1012

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitro-acetanilide	$C_6H_4(NO_2).NHAc=1.4$	$C_8H_8O_3N_2$	....	207	Kelbe	B., 16, 1200	**44**, 916
,, ,, ...	,, ,,	,,	....	207	Meyer and Stuber	J. [1875], 344	**25**, 305
,, ,, ...	,, ,,	,,	....	207	Rudnew	Z. C. [2], 7, 202	**24**, 712
Uramidobenzoic acid	$C_6H_4(NH.CO.NH_2).COOH =1.3$	,,	....	d. 200	Traube	B., 15, 2117	**44**, 194
Methyl nitrosomethylnitrobenzene	$C_6H_4.NO_2.(CHMe.NO)=1.2$	,,	....	58	Gabriel and Meyer	B., 14, 2337	**42**, 189
,, ,,	,, ,,	,,	....	58	Gabriel	B., 15, 3058, 3060	
,, ,,	,, =1.3	,,	....	63–63·5	,,	B., 15, 3061	**44**, 582
Nitrophenylmethylacetoxime	$C_6H_4.NO_2.(CMe:NOH)=1.3$	,,	....	131–132	,,	B., 15, 3063	,,
Benzenylamidoxime carboxylic acid	$C_6H_4.CO_2H.[C(NH_2):NOH] =1.4$	,,	....	a. 330	Müller	B., 18, 2486	**48**, 1227
Nitro-α-toluamide	$C_6H_4.NO_2.(CH_2.CO.NH_2) =1.4$	,,	....	190–192	Gabriel	B., 14, 2342	
Nitrotoluamide	$(CO.NH_2).Me.NO_2=1.3.?$	,,	....	151	Beilstein and Kreusler	A., 144, 175	
Hydroisophthalamide	$(CO.NH_2)_2.OH=1.3.4$	,,	....	250	Jacobsen	B., 11, 380	**34**, 583
Azophenylmethazonic acid	$C_6H_5.N_2.C_2H_3N_2O_3$	$C_8H_8O_3N_4$	....	164 d.	Kimich	B., 10, 141	**32**, 325
β-pyridine tricarboxylamide	$N.(CO.NH_2)_3$=symmetrical	,,	....	a. 280	Voigt	A., 228, 29	**48**, 813
Nitrophenylamidoacetic acid	$NO_2.[CH(NH_2).COOH]=1.3$	$C_8H_8O_4N_2$	....	172 d.	Plöchl and Loë	B., 18, 1180	**48**, 899
Amidonitro-α-toluic acid	$NH_2.NO_2.(CH_2.COOH) =1.2.4$	,,	....	143·5–144·5	Gabriel	B., 15, 836, 1992	**42**, 1070
,, -α- ,, ,, ...	,, =1.3.4	,,	....	184–186	Gabriel and Meyer	B., 14, 824	**40**, 730
Dinitroethylbenzene....	$Et.(NO_2)_2=?$	,,	....	Liquid	....	....	v., 1058
Dinitroxylene	$Me_2.(NO_2)_2=1.3.2.4$	,,	....	*82*	Grevingk	B., 17, 2423	**48**, 144
,, ...	,, =?	,,	....	abt. 92	Rommier	B. S. [2], 19, 434	**26**, 887
,, ...	,, =1.3.2.5	,,	....	92–93	,,	,,	**26**, 888
,, ...	,, ,,	,,	....	*93*	Fittig	A., 148, 5	
,, ...	,, ,,	,,	....	93	Fittig and Ahrens	A., 147, 17	vi., 294
,, ...	,, ,,	,,	....	93	Grevingk	B., 17, 2422	**48**, 144
,, ...	,, =1.4.2.3	,,	....	93	Glinzer and Fittig	A., 136, 308	v., 857
,, ...	,, ,,	,,	....	93	Barner	B., 15, 2303	**44**, 179
,, ...	,, ,,	,,	....	93	Lellmann	A., 228, 250	**48**, 973
,, ...	,, ,,	,,	....	*93*	Fittig and Ahrens	A., 147, 17	vi., 294
,, ...	,, ,,	,,	....	93	Jannasch	A., 171, 79	**27**, 468
,, ...	,, ,,	,,	....	93	Jannasch & Stünkel	B., 14, 1146	**40**, 808
,, ...	,, =1.4.2.6	,,	....	*123·5*	Glinzer and Fittig	A., 136, 307	v., 1058
,, ...	,, ,,	,,	....	123	Fittig and Ahrens	A., 147, 17	vi., 294
,, ...	,, ,,	,,	....	123·5	Jannasch & Stünkel	B., 14, 1147	**40**, 808
,, ...	,, ,,	,,	....	124	Lellmann	A., 228, 250	**48**, 973
,, ...	,, ,,	,,	....	125	Jannasch	A., 171, 79	**27**, 468
,, ...	,, =1.4.2.5	,,	....	147–148	Lellmann	A., 228, 250	**48**, 973
,, (double compound)	of 1.4.2.3 and 1.4.2.6	,,	....	99·5	Barner	B., 15, 2302	**44**, 179
,, ,,	,, ,,	,,	....	*99–99·5*	Jannasch & Stünkel	B., 14, 1146	
Ketine dicarbonic acid	$(.CMe.N:C.COOEt)_2$	,,	....	200–201	Wleügel	B., 15, 1053	**42**, 949
Nitropyrryline dimethyl diketone	$NO_2.C_4NH_2.(CO.Me)_2$	,,	....	149	Ciamician & Silber	B., 18, 1468	**48**, 994
Dinitrophenetoïl	$OEt.(NO_2)_2=1.2.6$	$C_8H_8O_5N_2$	....	57–58	Salkowski & Rehs	B., 7, 371	**27**, 801
,, ...	,, ,,	,,	....	57–58	Salkowski	A., 174, 273	**28**, 367
,, ...	,, =1.3.5	,,	....	85	Andreæ	J. p. [2], 21, 335	**38**, 467
,, ...	,, =1.2.4	,,	....	84	Salkowski	A., 174, 263	vii., 908, 929
,, ...	,, ,,	,,	....	86	Willgerodt	B., 12, 764	**36**, 717
,, ...	,, ,,	,,	cf. A., 74, 315	86–87	Beilstein and Kuhlberg	A., 156, 214	
Dinitromethylcresol	$Me.OMe.(NO_2)_2=1.4:3.5$	,,	....	122	Staedel	B., 14, 900	**40**, 724
,, ...	,, ,,	,,	....	122	,,	A., 217, 170	**44**, 863
Dinitronitrosomethyltoluidine	$Me.NMe(NO).(NO_2)_2$	$C_8H_8O_5N_4$	....	125	Gattermann	B., 18, 1488	**48**, 976
Dinitro-dimethylresorcinol	$(OMe)_2.(NO_2)_2=1.3.(?)_2$	$C_8H_8O_6N_2$	....	67	Hönig	B., 11, 1042	**34**, 728
,, catechol ...	,, $=1.2.(?)_2$	,,	....	a. 100	Merck	A., 95, 200	v., 997

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitro-dimethylquinol	$(OMe)_2.(NO_2)_2$=1.4.5.?	$C_8H_8O_6N_2$	....	169–170	Habermann	B., 11, 1037	**34**, 728
Dinitroethylquinol	$OEt.OH.(NO_2)_2$=1.4.(?)$_2$	„	....	71	Weselsky and Benedikt	M. C., 2, 370	**40**, 1139
„	„ =1.3.(?)$_2$	„	....	75	Aronheim	B., 12, 32	**36**, 465
Trinitrodimethylaniline	$C_6H_2(NO_2)_3.NMe_2$	$C_8H_8O_6N_4$	....	115	Krell	B., 5, 880	**26**, 279
Trinitromethyltoluidine	$C_6HMe.NHMe.(NO_2)_3$	„	....	137–138	Gattermann	B., 18, 1488	**48**, 976
Dinitroethoxydihydroxybenzene	$C_6H(OH)_2(OEt)(NO_2)_2$	$C_8H_8O_7N_2$	cf. A., 215, 155	143 d.	Nietzki	B., 11, 1449	**34**, 867
Acetanilide	$C_6H_5.NHAc$	C_8H_9ON	295 (755)	101	Williams	17, 106	v., 1087
„	„	„	....	112	Gerhardt	A., 87, 164	vi., 418
„	„	„	....	112	Seifert	B., 18, 1360	
„	„	„	....	112–113	Merz and Weith	Z. C. [2], 5, 699	vii., 4
„	„	„	*293*	*112–113*	Wallach and Hoffmann	A., 184, 86	**32**, 187
„	„	„	....	113	Wurtz	C. R., 7, 3528	**24**, 1056
„	„	„	....	113	Menschutkin	B., 15, 2503	
„ (?)	„ (?)	„	....	113	Rössing	B., 17, 3006	
„	„	„	....	114–115	Kelbe	B., 16, 1200	**44**, 916
α-toluamide	$C_6H_5.CH_2.CO.NH_2$	„	....	155–156	Bernthsen	A., 184, 290	**31**, 619
„	„	„	181–184	154–155	Weddige	J. p. [2], 7, 100	**26**, 1241
„	„	„	....	155 u.c.	Reimer	B., 13, 741	
Methylphenylacetoxime	Ph.CMe : NOH	„	....	59	Jamy	B., 15, 2781	**44**, 580
Methylbenzaldoxime	Ph.CH : N.OMe	„	190–192 u.c.	Liquid	Petraczek	B., 16, 826	
Methylformanilide	Ph.NMe.CHO	„	243–244	Liquid	Pinner	B., 16, 1652	**44**, 1090
Formotoluide	$C_6H_4.Me.NH(CHO)$=1.4	„	....	45	Hübner	A., 209, 372	
„	„ =?	„	....	50	Rosenstiehl	Z. C. [2], 5, 189	vi., 1108
„	„ =?	„	....	50	Hofmann	G. I., 5, 392	**29**, 601
„	„ =1.4	„	....	52 ?	Tobias	B., 15, 2446	**44**, 326
„	„ „	„	....	*52–53*	Senier	....	**47**, 765
„	„ =1.2	„	*288*	*56·5–57·5*	Ladenburg	B., 10, 1129	**32**, 754
„	„ „	„	....	58	Tobias	B., 15, 2446	**44**, 326
„	„ „	(„)$_n$	....	211	Ladenburg	B., 10, 1129	**32**, 754
Toluamide	$Me.(CO.NH_2)$=1.2	„	....	135–136	Spica	G. I., 5, 392	**29**, 601
„	„ „	„	....	138	„	„	„
„	„ „	„	....	*138*	Weith	B., 6, 421	
„	„ =1.4	„	....	151	Fischli	B., 12, 615	**36**, 638
Amidoacetophenone	$C_6H_4.NH_2.(COMe)$=1.2	„	....	Liquid	Gevekoht	B., 15, 2085	
„	„ „	„	242–252	Liquid	Baeyer and Blöm	B., 15, 2154	**44**, 197
„	„ „	„	....	*92–93*	Engler	B., 11, 933	
„	„ =1.4	„	....	106	Drewsen	A., 212, 163	
Dihydroxindole	....	„	....	sf. 67–70	Bischoff	B., 16, 1041	
?	$C_4H_3O.C : N.CMe_2$	„	300–310	142	Tonnies and Staub	B., 17, 857	**46**, 1130
Tetrene urethane	....	$C_8H_9O_2N$	180 (770)	....	....	G. I., 12, 84	
Benzylic carbamate	$NH_2.COO.CH_2Ph$	„	....	86	Cannizzaro	B., 3, 518	vii., 179
„ „	„	„	....	86	„	G. I., 1, 33	**24**, 927
Phenylamidacetic acid	$Ph.CH(NH_2).COOH$	„	....	255–256	Müller	B., 16, 1621	**44**, 1130
„ „	„	„	....	*256*	Tiemann and Friedländer	B., 13, 383	**38**, 473
„ „	„	„	....	256	Tiemann	B., 14, 1969	
Phenylglycocine	$NHPh.CH_2.COOH$	„	....	110	Michaelson and Lippmann	Z. C. [1866], 16	vi., 644
„	„	„	....	*126–127*	P. J. Meyer	B., 8, 1156	**29**, 372
„	„	„	....	126–127	Schwebel	B., 10, 2046	
Glycolphenylamine	$C_6H_5.NH.CO.CH_2.OH$	„	fr. hot H_2O	*108*	Norton and Tcherniak	C. R., 86, 1332	**34**, 775
„	„	„	fr. cold H_2O	98	„	B. S., 30, 104	„
Phenylhydroxyacetamide	$CH_2(OH).CO.NHPh$	„	....	65–115	Tommasi	B. S., 22, 6	**26**, 627
Isonitrosophenylethyl alcohol	$Ph.C(NOH).CH_2.OH$	„	....	70	Meyer and Nägeli	B., 16, 1624	**44**, 1076
Phenoxyacetamide	$Ph.O.CH_2.CO.NH_2$	„	....	101·5	Fritzsche	J. p. [2], 20, 277	**38**, 319
Phenylglycollamide	$Ph.CH(OH).CO.NH_2$	„	....	131	Zinin	Z. C. [2], 4, 710	vi., 802

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts Dict. & J. Ch. Soc.
Phenylglycollamide	Ph.CH(OH).CO.NH_2	$C_8H_9O_2N$	....	*190*	Tiemann and Friedländer	B., 14, 1967	**42**, 56
Methylic benzhydroxaminate	Ph.C(OH) : N.OMe	„	225	Liquid	Tiemann & Krüger	B., 17, 1690	**46**, 1325
Methylbenzhydroxamic acid	Ph.C(OMe) : N.OH	„	....	64–65	Lossen and Zanni	A., 182, 226	
Cresylic carbamate	NH_2.COO.C_6H_4.Me (?)	„	....	125	Kempf	J. p. [2], 1, 410	**24**, 3?2
Amidophenylacetic acid	NH_2.(CH_2.COOH) =1.3	„	....	148–149	Gabriel & Borgmann	B., 16, 2065	**44**, 1121
„ „ ...	„ =1.4	„	....	*199–200 d.*	Bedson	....	**37**, 92
„ „	„ „	„	....	199–200	Gabriel	B., 14, 2342	
Amidoacetoxybenzene	OAc.NH_2 =1.2	„	....	150	....	....	**vii.**, 903
„	„ =1.4	„	....	183	....	....	„
Acetamidophenol	OH.NHAc =1.4	„	....	179	Morse	B., 11, 232	**34**, 416
„	„ =1.2	„	cf. B. 11, 232	201	Ladenburg	B, 9, 1524	**31**, 303
Nitroethyl benzene	C_6H_4Et.NO_2 =1.2	„	227–228	Liquid	Beilstein and Kuhlberg	Z. C. [2], 5, 524 ; A., 156, 206	**vi.**, 292
„ „	„ = ?	„	233	Liquid	Tollens and Fittig	A., 131, 310	**iv.**, 485 ; **v.**, 1058
„ „	„ =1.4	„	245–246	Liquid	Beilstein and Kuhlberg	Z. C. [2], 5, 524 ; A., 156, 206	**vi.**, 292
Methoxybenzamide	OMe.(CO.NH_2) =1.2	„	....	128–129	Grimaux	B. S. [2], 13, 26	**vi.**, 1002
„ „ (anisamide)	„ =1.4	„	....	Solid	Cahours	A. C. [3], 22, 353	**i.**, 297
„ „ (B. 2, 666)	„ „	„	295	137–138	Henry	Z. C. [2], 6, 209	**vii.**, 81
Anisaldoxime	....	„	....	45	Westenberger	B., 16, 2994	**46**, 581
Amidotoluic acid	Me.COOH.NH_2 =1.3.?	„	....	b. 100	Kelbe and Warth	A., 221, 157	**46**, 47
„ „	„ =1.3.4	„	....	132	Jacobsen	B., 14, 2354	**42**, 185
„ „	„ =1.3.?	„	....	167	Beilstein and Kreusler	A., 144, 178	
„ „	„ =1.3.2	„	....	172	Jacobsen	B., 14, 2354	**42**, 185
„ „	„ =1.4.6	„	....	164–165	Ahrens	Z. C. [2], 5, 104	**vi.**, 1101
„ „	„ =1.2.5	„	....	165	Jacobsen	B., 17, 164	**46**, 745
„ „	„ =1.2.6	„	....	191	„	„	„
„ „	„ „	„	....	196	„	B., 16, 1959	**44**, 1121
„ „	„ =1.2.4	„	....	196	„	B., 17, 164	**46**, 745
„ „	„ „	„	....	191	„	B., 16, 1959	**44**, 1121
Nitroxylene	Me_2.NO_2 =1.2.3	„	250	Liquid	Nölting and Forel	B. S., 42, 332	**48**, 382
„	„ =1.2.4	„	256	29	„	„	„
„	„ „	„	248 (580)	....	Jacobsen	B., 17, 160	**46**, 737
„	„ „	„	*258 (760) s.d.*	*29*	„	„	„
„	„ =1.2.?	„	....	52–55	„	B., 10, 1013	**32**, 601
„	„ =1.3.2	„	225	....	Nölting and Forel	B. S., 42, 332	**48**, 382
„	„ „	„	225 (774)	....	Grevingk	B., 17, 2430	**48**, 145
„	„ =1.3.4	„	227–228	....	Beilstein and Kuhlberg	J., 22, 415	
„	„ „	„	237–239	2	Tawildarow	Z. C., 13, 418	
„	„ „	„	235–245	....	Wroblewsky	A., 207, 91	**40**, 433
„	„ „	„	243–244 c.	L. −20	Harmsen	B., 13, 1558	**40**, 49
„	„ „	„	245·5 (744)	....	Grevingk	B., 17, 2429	**48**, 145
„	„ =1.3.5	„	255 c.	67	Wroblewsky	A., 207, 94 ; B., 10, 1248	**34**, 55 ; **40**, 433
„	„ =1.4.5.(?)	„ (?)	....	70–71	Jannasch and Diekmann	A., 171, 83	**27**, 477
„	„ „	„	234–237	cf. A., 176, 56	Schaumann	B., 11, 1537	**36**, 51
„	„ „ (?)	„	240	Liquid	Deumelandt	Z. C. [1866], 21	**v.**, 1058
„	„ „	„	245–246	....	Beilstein and Kuhlberg	J., 22, 415	
Nitrosoxylenol	Me_2.OH.NO =1.4.3.6	„	....	160–165	Oliveri	G. I. [1882], 161	**42**, 837
„	„ „	„	....	*163*	Goldschmidt and Schmid	B., 18, 569	**48**, 775
Dipseudo-acetopyrroline ...	$C_4H_2Ac_2NH$	„	....	161–162	Ciamician and Dennstedt	B., 17, 432, 2953	**46**, 1044 ; **48**, 379
Hipparin	....	„	....	45·7	Maier	A., 127, 163	**iii.**, 155
Azonitroethylbenzene	C_6H_5.N : N.C_2H_4.NO_2	$C_8H_9O_2N_3$	....	136–137 d.	Meyer and Ambühl	B., 8, 751, 1073	**28**, 1202

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dehydracetamide	$CH_2Ac.C\colon CH.C(CO.NH_2)\colon C$ (OH)	$C_8H_9O_3N$	....	208·5	Oppenheim and Precht	B., 9, 1100	**30**, 506
Anishydroxamic acid	OMe.(CO.NH.OH) =1.4	„	....	156–157	Lossen	A., 175, 271	**28**, 636
Ethyl nitrophenol	$OEt.NO_2$ =1.2	„	267–268 (757)	....	Förster	J. p. [2], 21, 343	
„ „	„ „	„	*abt. 258*	Liquid	Groll	J. p. [2], 14, 207	**29**, 247
„ „	„ =1.3	„	264 p.d.(760); 169 (70)	34	Bantlin	B., 11, 2101	**36**, 238
„ „	„ =1.4	„	....	57–58	Fritzsche	J. p., 75, 257	iv., 397
„ „	„ „	„	....	58	Hallock	B., 14, 37	**40**, 595
„ „	„ „	„	283	57–58	Richter	R. K. T., 190	
„ „	„ „	„	....	59	Willgerodt	B., 14, 2637	**42**, 396
„ „	„ ?	„	....	85–87	....	G. I., 11, 396	
Nitro-ethylphenol	....	„	....	212–215	Suida and Plohn	M. C., 1, 178	
Methyl nitrocresol	$Me.OMe.NO_2$ =1.4.6	„	266–267 u.c.	Liquid	Knecht	B., 15, 300	**42**, 728
„ „	„ =1.4.5	„	274 p.d.	Liquid	Wagner	B., 7, 1273	vii., 931; **28**, 256
Ethyl nitrosoresorcinol	OH.OEt.NO =1.3.4	„	....	d. w. m., 180	Aronheim	B., 12, 31	**36**, 465
Amidoanisic acid	$COOH.OMe.NH_2$ =1.4.5 (?)	„	....	180	Zinin	A., 92, 327	i., 296
„ „	„ =1.4.6	„	....	204	Balbiano	G. I., 14, 234	**48**, 530
Vanillin aldoxime	(CH:NOH).OMe.OH=1.3.4	„	....	117	Lach	B., 16, 1786	**44**, 1104
„ „	„ „	„	....	121–122	Tiemann and Kees	B., 18, 1664	**48**, 1072
Nitroxylenol	$Me_2.OH.NO_2$ =1.3.$(?)_2$	„	....	68·5	Lako	A., 182, 33	**30**, 634
„	„ „	„	....	95	Pfaff	B., 16, 616	**44**, 802
„ .... β-	„ =1.4.$(?)_2$	„	236 d.	Liquid	Oliveri	G. I. [1882], 161	**42**, 837
„ .... γ-	„ „	„	....	89	„	„	„
„ .... α-	„ =1.4.2.5	„	....	115	„	„	„
„ .... α-	„ „	„	....	122	Goldschmidt and Schmid	B., 18, 570	**48**, 775
Methylic pseudacetyl-α-carbopyrrolate	$C_4H_2AcNH.COOMe$	„	....	113	Ciamician & Silber	B., 17, 1156; G. I., 14, 162	**46**, 1045; **48**, 247
Hydroxylutidine carboxylic acid	....	„	$+H_2O$	246	Collie	A., 226, 294	**48**, 374
Nitro-acetdiamidobenzene	$NH_2.NHAc.NO_2$ =1.4.?	$C_8H_9O_3N_3$	....	184	Biedermann and Ledoux	B., 7, 1531	
„ „	„ „	„	....	*186*	Ladenburg	B., 17, 148	**46**, 738
Nitrodimethylquinol	$(OMe)_2.NO_2$ =1.4.5	$C_8H_9O_4N$	....	70–71	Habermann	B., 11, 1037	**34**, 728
„ „	„ „	„	....	71·5	Mühlhäuser	A., 207, 253	
Nitrodimethylcatechol	„ =1.2.3 or 4	„	cf. A., 108, 61	95–96	Tiemann and Matsmoto	B., 9, 939	**30**, 52
„ ...	„ „	„	....	95–96	Matsmoto	B., 11, 131	
Nitroethylquinol	$OEt.OH.NO_2$ =1.4.?	„	....	83	Weselsky and Benedikt	M. C., 2, 370	**40**, 1139
Nitroethyl resorcinol	„ =1.3.4	„	....	79	„	W. A., 82, 1219; M. C., 1, 895	**40**, 727
„ „	„ =1.3.6	„	....	131	„	„	„
Ethyldicarbopyrrolic acid	$C_4H_2EtN.COOH$	„	....	w. m. 250	Bell	B., 10, 1865	**36**, 525
Dimethylpyrroline dicarboxylic acid	$CO_2H.C\colon CMe.NH.CMe\colon C.$ CO_2H	„	....	197 d.	Knorr	B., 17, 1639	**46**, 1368
„ „	„	„	...	*250–251 d.*	„	B., 18, 1564	**48**, 994
Ethylic comenamate....	$C_5H(NH_2)O.OH.COOEt$	„	$+2H_2O$	205	Reibstein	J. p. [2], 24, 284	
Ethylcomenamic acid	$C_5H(NH_2)O.OEt.COOH$	„	„	210 d.	Mennel	J. p. [2], 32, 176	**48**, 1203
Dinitrodimethylaniline	$NMe_2.(NH_2)_2$=?	$C_8H_9O_4N_3$	....	73·5	Schraube	B., 8, 621	
„	„ =1.3.4	„	....	77	Merz and Weith	B., 10, 763	**32**, 603
„	„ „	„	....	78	Leymann	B., 15, 1234	
„	„ =1.2.4	„	....	87 u. c.	Mertens	B., 10, 995	**32**, 605
„	„ „	„	....	87	Wurster & Sendtner	B., 12, 1803	**38**, 111
„	„ = ?	„	....	240–260 d.	Mertens	B., 10, 995	**32**, 606
Dinitroethylaniline	$NHEt.(NO_2)_2$=1.2.4	„	....	114	Norton and Allen	B., 18, 1997	
Dinitromethyltoluidine	$Me.NHMe.(NO_2)_2$=1.4.$(?)_2$	„	....	129	Thomsen	B., 10, 1584	**34**, 218
„	„ „	„	....	129	Gattermann	B., 18, 1487	**48**, 976
Dinitroamidoethylbenzene	$Et.NH_2.(NO_2)_2$=1.4.$(?)_2$	„	....	134–135	Paucksch	B., 17, 769	**46**, 1143

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitroxylidine	$Me_2.NH_2.(NO_2)_2=?$	$C_8H_9O_4N_3$	....	105	Krell	B., 5, 879	**26**, 279
„	„ =?	„	....	191–192	Beilstein	A., 133, 45	v., 1059
Ethyl-nitropyrogallol	$(OH)_2.OEt.NO_2=?$	$C_8H_9O_5N$	....	139	Weselsky & Benedikt	M. C., 2, 215	**42**, 53
Allocaffeïne	....	$C_8H_9O_5N_3$	....	198	Fischer	A., 215, 275	**44**, 355
Ethylpicrazide	$C_2H_5.N_2H_2.C_6H_2(NO_2)_3$	$C_8H_9O_6N_5$	....	200 d.	„	A., 199, 299	
Phenylethenylamidoxime	$Ph.CH_2.C(NH_2):NOH$	$C_8H_{10}ON_2$	....	67	Knudsen	B., 18, 1068	**48**, 897
Methylbenzenylamidoxime...	$NH_2.CPh:NOMe$	„	a. 230	57	Tiemann & Krüger	B., 17, 1689	**46**, 1325
„	„	„	*230 u. c.*	*57*	Krüger	B., 18, 1056	**48**, 896
Phenylhydroxyacetamidine....	$Ph.CH(OH).C(NH_2):NH$	„	....	100	Beyer	J. p. [2], 31, 382	**48**, 983
„	„	„	....	110	„	J. p. [2], 28, 190	**46**, 65
Ethenylanilidoxime	$Ph.NH.CMe:NOH$	„	....	121	Nordmann	B., 17, 2753	**48**, 239
Acetylphenylhydrazine	$Ph.N_2H_2.CO.CH_3$	„	....	128·5	Fischer	A., 190, 129	**34**, 309
Phenylglycocinamide	$Ph.NH.CH_2.CO.NH_2$	„	....	133	Meyer	B., 8, 1157	**29**, 373
Methylphenylcarbamide	$NH_2.CO.NMePh$	„	....	82	Gebhardt	B., 17, 2095	**46**, 1321
Benzylcarbamide	$NH_2.CO.NH.CH_2Ph$	„	....	144	Letts	B., 5, 91	**25**, 448; vii., 181
„	„	„	....	*147–147·5*	Cannizzaro	B., 4, 412; G. I., 1, 41	vii., 181; **24**, 928
Tolylcarbamide	$Me.(NH.CO.NH_2)=1.3$	„	....	142	Cosack	B., 13, 1089	**38**, 713
„	„ „	„	....	142	„	B., 12, 1450	**38**, 245
„	„ =1.4	„	....	172	„	„	„
„	„ „	„	cf. A., 126, 157	*180*	Steiner	B., 8, 519	**28**, 883
„	„ =1.2	„	....	185	Cosack	B., 13, 1089	**38**, 713
Nitroso-methyltoluidine	$Me.NMe(NO)=1.2$	„	....	Liquid	Monnet & Nölting	B., 11, 2278	
„	„ =1.4	„	....	54	Thomsen	B., 10, 1584	**34**, 218
Nitroso-dimethylaniline	$NO.NMe_2=1.4$	„	....	85·5	Wurster and Roser	B., 12, 1823	
„	„ „	„	....	*92*	Baeyer and Caro	B., 7, 810, 963	**28**, 84
Amidoacetanilide	$NH_2.NHAc=1.4$	„	....	161	Nietzki	B., 17, 344	**46**, 1016
Amidophenylacetamide	$NH_2.(CH_2.CO.NH_2)=1.4$	„	....	169–170	Einhorn	B., 17, 2014	
p-Amidotoluamide	$(CO.NH_2).Me.NH_2=?$	„	....	115	Beilstein & Kreusler	A., 144, 181	
?	....	„	....	90	„	A., 144, 177	
Dipropionyl dicyanide	....	$C_8H_{10}O_2N_2$	208	Liquid —15	Claisen and Moritz	37, 695	
„ „ ...	....	„	210–213	Liquid	„	B., 13, 2121	**40**, 154
„ „	....	„	210–212	59	Bruyn	C. C. [1885], 356	**48**, 963
Phenylhydroxyethenylamidoxime	$Ph.CH(OH).C(NH_2):NOH$	„	....	140	Tiemann	B., 17, 126	**46**, 734
„	„	„	....	*158–159*	Gross	B., 18, 1075	**48**, 898
?	$Ph.C(:N.OH).CH_2.NH.OH$	„	....	162–163	Schramm	B., 16, 2183	**46**, 51
Phenylhydrazido-acetic acid	$Ph.N_2H_2.CH_2.COOH$	„	....	157 d.	Elbers	A., 227, 340	**48**, 535
Methoxybenzene carbamide	$OMe.(NH.CO.NH_2)=1.2$	„	....	146·5	Mülhäuser	B., 13, 923; A., 207, 244	**38**, 642; **42**, 302
Phenylene dicarbamide	$(NH.CO.NH_2)_2=1.2$	„	....	290	Lellmann	B., 16, 593	**44**, 798
„ „ ...	„ =1.4	„	....	d. w. m.	„	„	„
Ethylnitrosoamidophenol	$OH.NEt(NO)=1.2$	„	....	121·5	Förster	J. p. [2], 21, 361	**38**, 465
Nitroethylaniline	$NO_2.NHEt=1.4$	„	....	95–95·5	Weller	B., 16, 31	**44**, 579
„	„ „	„	....	96	Nölting and Collin	B., 17, 267	**46**, 1613
Nitrodimethylaniline	$NO_2.NMe_2=1.4$	„	cf. B., 12, 529	160	Schraube	I. D. Strassburg, 1875	
„	„ „	„	....	162	Leymann	B., 15, 1234	
„	„ „	„	....	161–163	Wurster & Scheibe	B., 12, 1816, 1818	**38**, 107
„	„ „	„	....	*162*	Wurster	B., 12, 529	**36**, 626
„	„ „	„	....	162–163	Weber	B., 8, 714	**28**, 1200
„	„ „	„	....	163	Michler & Walder	B., 14, 2176	
„	„ „	„	....	163	Merz and Weith	B., 10, 761	**32**, 603
„	„ „	„	....	169	Schraube	B., 8, 621	
Amidophenylamido-acetic acid	$NH_2.[CH(NH_2).COOH]=1.3$	„	....	214	Plöchl and Loë	B., 18, 1181	**48**, 899
Nitro-amidoethylbenzene	$Et.NH_2.NO_2=?$	„	....	45-47	Paucksch	B., 17, 770	**46**, 1143
Nitromethyltoluidine ...	$Me.NHMe.NO_2=1.4.5$	„	....	84-85	Gattermann	B., 18, 1487	**48**, 976
Nitroxylidine	$Me_2.NO_2.NH_2=1.3.5.?$	„	....	69	Hofmann	B., 9, 1297	**31**, 93
„	„ =1.3.5.6	„	....	76	Wroblewsky	B., 10, 1248	**34**, 55

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitroxylidine	$Me_2.NO_2.NH_2$=1.3.5.6	$C_8H_{10}O_2N_2$	....	*76*	Wroblewsky	A., 207, 94	**40**, 433
„	„ =1.3.4.2	„	....	*78*	Grevingk	B., 17, 2422	**48**, 145
„	„ =1.4.(?)$_2$	„	....	*96*	Fittig and Ahrens	A., 147, 22	vi., 1131
„	„ =1.3.4.6	„	....	*123*	Grevingk	B., 17, 2422	**48**, 145
„	„ „	„	....	123	Nölting and Collin	B., 17, 265	**46**, 1012
„	„ „	„	....	123	Fittig and Ahrens	A., 147, 18	vi., 1131
„	„ =?	„	....	130	Luhmann	A., 144, 274	„
Nitrosomethylphenyl semicarbazide	NMePh.N(NO).CO.NH_2	$C_8H_{10}O_2N_4$	....	77 d.	Fischer	A., 190, 165	**34**, 311
Phenylene dicarbamide	$C_6H_4(NH.CO.NH_2)_2$=1.2	„	....	290	Lellmann	B., 16, 593	
„	„ =1.3	„	....	a. 300	Warder	B., 8, 1180	**29**, 400
„ „	„ =1.4	„	....	d. w. m.	Lellmann	B., 16, 593	
Caffeïne (Theïn, Methyltheobromine)	NMe.CO.NMe.CH : C.C : N. CO.NMe	„	cf. B., 15, 29, 453	177·8	Mulder	P. A., 43, 175	i., 707
„ „ „	„	„	....	230·5	Biedermann	A. P. [3], 21, 175	**46**, 185
„ „ „	„	„	....	*234–235*	Strecker	A., 118, 172	
Amidoethylene nitrophenol....	$C_6H_4.NO_2.(O.C_2H_4.NH_2)$=1.2	$C_8H_{10}O_3N_2$	...	72–73	Widdige	J. p. [2], 24, 247	**40**, 1137
„ „	„ =1.4	„	....	108–109	„	J. p. [2], 24, 254	**40**, 1139
Nitroamidoethoxybenzene	OEt.$NH_2.NO_2$=1.2.4	„	....	96–97	Andreae	J. p. [2], 21, 327	**38**, 466
Hydroxycaffeïne	$C_8H_9N_4O_2$.OH	$C_8H_{10}O_3N_4$	....	a. 345	Fischer	A., 215, 268	**44**, 355
„	„	„	....	abt. 350	„	B., 14, 640	**40**, 614
Trimethyluric acid	see B. 17, 1786	„	....	345	„	B., 17, 1783	**46**, 1309
?	$C_4H_3O.CH.N_2O_3.CMe_2$	$C_8H_{10}O_4N_2$	d. 145–150	94	Tonnies and Staub	B., 17, 853	**46**, 1129
Hydrodinitroazobenzene	$C_8H_{10}N_2(NO_2)_2$	$C_8H_{10}O_4N_4$	....	220	Lermontoff	B., 5, 234	**25**, 503
Dinitrodiamidoethoxybenzene	OEt.$(NH_2)_2.(NO_2)_2$=1.4 (?)$_3$	$C_8H_{10}O_5N_4$	cf. A., 215, 154	245 u. c.	Nietzki	B., 11, 1448	**34**, 867
α-β-diisonitrozobutyric anhydride	external anhydride	$C_8H_{10}O_7N_4$	....	132–133 d.	Ceresole & Köckert	B., 17, 823	**46**, 1121
Hydroxyethylene aniline	Ph.NH.C_2H_4.OH	$C_8H_{11}ON$	280	Liquid	Demole	B., 6, 1025	**27**, 77
Dimethamidophenol....	OH.NMe_2=1.2	„	....	45	Griess	B., 13, 249	**38**, 637
Ethamidophenol	OH.NHEt=1.2	„	....	167·5	Föster	J. p. [2], 21, 356	**38**, 464
Amidophenetoïl	OEt.NH_2=1.2	„	228	Liquid	Groll	J. p. [2], 14, 207	**29**, 247
„	„ „	„	*229* (756)	L. —21	Föster	J. p. [2], 21, 344	**38**, 464
„	„ =1.3	„	180–205(100)	Liquid	Wagner	J. p. [2], 32, 70	**48**, 1212
„	„ =1.4	„	253	....	Hallock	B., 14, 37	**40**, 595
Hydroxyetheyleneamidobenzene	$NH_2.(C_2H_4.OH)$=1.2	„	....	89–90	Weddige	J. p. [2], 24, 241	**40**, 1138
Anisamine	OMe.$(CH_2.NH_2)$=1.4	„	cf. A., 117, 240	a. 100	Cannizzaro	C. R., 50, 1100	i., 297
Methylanisidine	OMe.NHMe=1.2	„	218–220	....	Mülhäuser	A., 207, 247	**42**, 302
Methoxytoluidine	Me.OMe.NH_2=1.2.3	„	223	Liquid	Hofmann & Miller	B., 14, 570	**40**, 593
„	„ =1.4.5	„	....	36–38	„	B., 14, 573	„
„	„ =1.4.6	„	cf. A., 215, 89	47	Knecht	B., 15, 1072	**42**, 969
„	„ =1.2.5	„	....	52–53	Hofmann & Miller	B., 14, 571	**40**, 593
Amidoxylenol	$Me_2.OH.NH_2$=1.3.(?)$_2$	„	....	161	Pfaff	B., 16, 1137	**44**, 918
„	„ =1.4.2.5	„	d. 180	scales	Goldschmidt and Schmid	B., 18, 570	**48**, 775
Methylpseudolutidostyril	CMe.CH.CMe.NMe.CO.CH	„	292	abt. 70	Hantzsch	B., 17, 1028	**46**, 1045
„	„	„	*292*	*90–92*	„	B., 17, 2906, 2907	**48**, 398
Acetyldimethylpyrroline	$C_4H_2Me_2$: NAc	„	....	L. —20	Weidel & Ciamician	B., 13, 79	**38**, 404
Anhydrodiacetylacetamidil...	CMe : N.CMe : CH.CO.NH. CMe : N	$C_8H_{11}ON_3$	....	185	Pinner	B., 17, 174	**46**, 723
Methylphenyl semicarbazide	NMePh.NH.CO.NH_2	„	....	133	Fischer	A., 190, 164	**34**, 311
Hydroxyethylene amidophenol	$NH_2.(O.C_2H_4.OH)$=1.2	$C_8H_{11}O_2N$	....	89–90	Wagner	J. p. [2], 28, 199	**46**, 436
Amidodimethyl quinol ..	$(OMe)_2.NH_2$=1.4.5	„	270 p.d.	74–75	Magatti	B., 14, 71	**40**, 595
„ „ ..	„	„	....	80	„	G. I. [1881], 353	**42**, 175
„ „ ..	„	„	....	81	Mülhäuser	A., 207, 254	**42**, 303
„ „ ...	„	„	....	81–82	Bässler	B., 17, 2120	**46**, 1329

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
?	$C_4H_3O.C(NH_2).CMe_2.O$	$C_8H_{11}O_2N$	215–220 d.	Liquid	Tonnies and Staub	B., 17, 857	**46**, 1130
Nitrodiamidoxylene	$Me_2.(NH_2)_2.NO_2=1.3.(?)_3$	$C_8H_{11}O_2N_3$	....	212–213	Fittig and Velguth	A., 148, 7	
"	" "	"	....	*215*	Bussenius and Eisenstuck	A., 113, 160	**iv.**, 382
Amidocaffeïne	$C_8H_9N_4O_2.NH_2$	$C_8H_{11}O_2N_5$	....	a. 360	Fischer	A., 215, 265	**44**, 355
Ethylic methylacetocyanacetate	CMeAc(CN).COOEt	$C_8H_{11}O_3N$	90–95(15–20)	Liquid	Held	C. R., 98, 522	**46**, 728
Triacetylforamidil	....	$C_8H_{11}O_3N_3$	....	224	Pinner	B., 17, 172	**46**, 723
Diethylic cyanomalonate	$CN.CH(COOEt)_2$	$C_8H_{11}O_4N$	120–130 (25)	Liquid	Haller	C. R., 95, 142	**42**, 1189
Urethane furfurol	$C_4H_3O.CH(NH.COOEt)_2$	"	....	169	Bischoff	B., 7, 1081	**28**, 146
Diethylic oxaloxamate	$NH(CO.COOEt)_2$	$C_8H_{11}O_6N$	....	67	Salomon	J. p. [2], 9, 295	**27**, 791
?	$C_8H_{11}N_2.OH$	$C_8H_{12}ON_2$	....	150	Riess and Meyer	J. p. [2], 31, 112	**48**, 646
Diallyloxamide	$(CH_2:CH.CH_2.NH.CO)_2$	$C_8H_{12}O_2N_2$	274 d.	154	Wallach & Stricker	B., 13, 513	**38**, 547
Amidophenylurethane	$NH_2.(NH.COOEt)=1.2$	"	....	86	Rudolph	B., 12, 1295	
Diethylbarbituric acid	$NH.CO.NH.CO.CEt_2.CO$	$C_8H_{12}O_3N_2$	....	182	Conrad & Guthzeit	B., 15, 2849	**44**, 314
Phenylguanylguanidine nitrate	$NH:C(NHPh).NH.C(NH_2):NH$	$C_8H_{12}O_3N_6$	$+HNO_3$	208–209	Bamberger	B., 13, 1583	**40**, 44
Nitrodehydropiperylurethane	$C_5H_7(NO_2)N.COOEt$	$C_8H_{12}O_4N_2$	....	51·5	Schotten	B., 16, 644	**44**, 814
Trimethylic cyanurate diformamide	$C_3O_3N_3Me_3+NH(CHO)_2$	$C_8H_{12}O_5N_4$	168 (24)	163	Gautier	C. R., 67, 804	**vi.**, 529
Ethylic nitrotartrate	$CO_2Et.(CH.O.NO_2)_2.CO_2Et$	$C_8H_{12}O_{10}N_2$	....	45–46	Henry	Z. C., 13, 692; B., 3, 533	
?	basic	$C_8H_{13}ON$	175–180	Liquid	Canzoneri and Spica	G. I., 14, 341	**48**, 747
From aldolammonia	"	"	160 (20)	....	Wurtz	C. R., 88, 940	**36**, 704
Ethylic acetyl-β-imidobutyrate	$NAc:CMe.CH_2.COOEt$	$C_8H_{13}O_2N$	225	64–65	Canzoneri and Spica	G. I., 14, 491	**48**, 750
Mesityloxidehydrocyanicacid	....	$C_8H_{13}O_3N$	....	171	Simpson	A., 148, 354	
" " "	....	"	....	*174*	Pinner	B., 14, 1074	**40**, 796
Ethylicacetamido-α-crotonate	$NHAc.CMe:CH.COOEt$	"	231	63	Collie	A., 226, 294	**48**, 374
Acetylacecaffeïne	....	$C_8H_{13}O_3N_3$	....	106–107	Fischer	A., 215, 299	**44**, 356
Diethylic amidomaleate	$CO_2Et.CH:C(NH_2).CO_2Et$	$C_8H_{13}O_4N$	....	100	Claus and Voeller	B., 14, 151	**40**, 254
Tropic acid	$C_6H_{11}N(COOH)_2$	"	....	220 d.	Merling	A., 216, 351	
" "	"	"	....	d. 220–240	Merling	B., 15, 292	
Diethylfumaramide	$C_2H_2:(CO.NHEt)_2$	$C_8H_{14}O_2N_2$	....	182–183	Wallach and Kamenski	B., 14, 170	**40**, 285
Mesitylamide....	....	"	....	222	Pinner	B., 15, 577	**42**, 941
Hydroxycaprylonitril	$C_8H_{13}.CH(OH).CN$	$C_8H_{15}ON$	....	L. −16	Erlenmeyer and Sigel	A., 177, 106	**28**, 1011
Vinyl diacetonamine ..	....	"	199–200	Liquid	Heintz	A., 189, 214; 178, 326; 191, 122	**32**, 878
Diallyethylalkamine	cf. B. 14, 1879	"	197	Liquid	Ladenburg	C. R., 93, 338	**40**, 1158
Pelletierine	....	"	180	Liquid	Tanret	C. R., 86, 1270	**34**, 740
"	....	"	195	Liquid	"	C. R., 90, 697; B. S., 32, 464, 466; 36, 256	**38**, 481
Pseudopelletierine	cf. $C_9H_{15}ON$	"	246	Liquid	"	"	"
Oxyconiceïne	....	"	210–220	Liquid	Hofmann	B., 18, 125	**48**, 563
Metatropine	....	"	238	L. −30	Ladenburg	A., 217, 127	
"	...	"	237–239	L. −30	Ladenburg	B., 14, 229	**40**, 263
Tropine	....	"	229	....	"	B., 13, 1552	**40**, 57
"	....	"	*229*	....	"	A., 206, 294	**40**, 447
"	....	"	229	....	"	B., 13, 608	**38**, 674
"	....	"	....	60–61	Pesci	G. I., 1881, 538	**42**, 740
"	....	"	....	*61·2*	Kraut	A., 133, 87	**v.**, 896
"	....	"	....	62	Ladenburg & Roth	B., 17, 151	**46**, 761
"	....	"	....	63	Schmidt	B., 13, 372	**38**, 482
Pseudotropine	....	"	241–243	....	Ladenburg	B., 13, 1552	**40**, 57
"	....	"	*241–243*	*106*	Ladenburg & Roth	A., 17, 151	**46**, 761
"	....	"	241	....	Ladenburg	B., 206, 304	**40**, 447
Ethylic imidoethylidinethylacetate	$NH:CH.CH_2.CHEt.COOEt$	$C_6H_{15}O_2N$	....	59·5	Geuther	J. [1863], 324; Z. C. [1871], 247	**vi.**, 601

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diisobutyramide	$NH(CO.CHMe_2)_2$	$C_8H_{15}O_2N$	....	174	Hofmann	B., 15, 982	**42**, 950
Piperyl urethane	$C_5H_{10}N.COOEt$	„	211	Liquid	Schotten	B., 15, 425	**42**, 983
Triethoxyacetonitril....	$(EtO)_3C.CN$	$C_8H_{15}O_3N$	159–161·5	....	Bauer	A., 229, 163	**48**, 1121
Ethylic diethyloxamate ...	$CO(NEt_2).COOEt$	„	250–254	cf. B., 3, 776	Hofmann	Z. C. [2], 7, 38	**24**, 263
„ „	„	„	253–254	....	Wallach	B., 14, 741	**40**, 717
„ „	„	„	260	Liquid	Hofmann	C. R., 52, 902	iv., 281
Diethylic oxytetramate	$C_4H_3O(OEt)_2.NH_2$	„	....	68–69	Demarçay	B. S. [2], 33, 575	**40**, 255
Suberamic acid	....	„	....	170	....	Z. C. [1865], 300	
Base fr. crotonaldehyde	....	$C_8H_{16}ON_2$	200 (i. v.)	....	Combes	C. R., 96, 1862	**44**, 1079
Nitrosoconiin....	....	„	150–160	....	Wertheim	A., 123, 157; 130, 269	
Triethyloxamide	$NHEt.CO.CO.NEt_2$	$C_8H_{16}O_2O_2$	257–259	Liquid	Wallach	B., 14, 741	**40**, 718
Dipropyloxamide	$C_2O_2 : N_2H_2Pr_2$	„	....	110	Duvillier & Bensine	C. R., 89, 48	**36**, 912
„	„	„	....	162	Wallach & Schulze	B., 13, 516; 14, 422	**40**, 572
Dimethyladipamide	$NHMe.CO.(CH_2)_4.CO.NHMe$	„	....	151–153	Henry	C. R., 100, 943	**48**, 887
Isopropyl isobutyryl carbamide	$NHPr^{\beta}.CO.NH.CHMe_2$	„	....	86	Hofmann	B., 15, 756	**42**, 1053
Propylbutyryl carbamide	$NHPr^{\alpha}.CO.NH.CO.CH_2Et$	„	....	99	„	B., 15, 757	
Diethylic diamidosuccinate....	$COOEt.(CH.NH_2)_2.COOEt$	$C_8H_{16}O_4N_2$	....	122 u. c.	Claus & Helpenstein	B., 14, 624	**40**, 578
„ „	„	„	....	122	Claus	B., 15, 1849	
Ethylidene urethane	$CH_3.CH(NH.COOEt)_2$	„	....	125 u. c.	Schmid	J. p. [2], 24, 124	
„ „	„	„	182 d.	126	Nencki	B., 7, 160	**27**, 458
Caprylamide	$C_7H_{15}.CO.NH_2$	$C_8H_{17}ON$	....	94	Hofmann	B., 15, 983	**42**, 950
„	„	„	a. 200 d.	110	Felletar	Z. C. [2], 4, 665	vi., 395
Capronimido-ether	$C_5H_{11}.C(OEt) : NH$	„	168	Liquid	Pinner	B., 17, 178	**48**, 723
Vinyldiacetonalkamine	$CMe_2.CH_2.CH(OH).CH_2Me.$ NH	„	....	123	Fischer	B., 17, 1794	**46**, 1291
Piperpropylalkine	$C_5H_{10} : N.C_3H_6.OH$	„	194	Liquid	Ladenburg	B., 14, 1880, 2406	
„	„	„	194	....	Laun	B., 17, 680	**46**, 1054
Conhydrin	$C_8H_{16}O : NH$	„	b. 100 (?)	....	Wertheim	W. A., 22, 113	ii., 1
„	„	„	255·5 (720)	120	„	W. A., 46, 299	vi., 488
„	„	„	*226*	*120*	Hofmann	B., 15, 2315	
„ (cf. J. [1863], 435)	„	„	224·5 (719·8)	120·6	Wertheim	A., 100, 328	
Ethylic diethamidoacetate	$NEt_2.CH_2.COOEt$	$C_8H_{17}O_2N$	177 c.	Liquid —10	Kraut	A., 182, 176	**30**, 625
Ethylic isoamylcarbamate	$C_5H_{11}.NH.COOEt$	„	218	Liquid	Custer	B., 12, 1329	
Triethylglycocine .... (cf. J. [1862], 333)	$NEt_3.CH_2.CO.O$	„	210–230 d.	A., 182, 175	Brühl	A., 177, 215	
Octylic nitrite	$CH_3.(CH_2)_7.O.NO$	„	175–177	Liquid	Eichler	B., 12, 1887	**38**, 229
Nitrooctane	$C_8H_{17}.NO_2$	„	205–212	Liquid	„	B., 12, 1883	„
Hydroxycaprylamide	$C_6H_{13}.CH(OH).CO.NH_2$	„	....	150	Erlenmeyer & Sigel	B., 7, 1108	**28**, 144
„	„	„	....	150	„	A., 177, 108	**28**, 1012
Diethamido-α-butyric acid	$CH_2Me.CH(NEt_2).COOH$	„	....	135	Duvillier	C. R., 100, 860	**48**, 750
Piperpropylglycoline	$HO.CH_2.CH(OH).CH_2.N : C_5H_{10}$	„	223–227(195)	Cryst.	Roth	B., 15, 1150	**42**, 1195
Nitrosodibutylamine ...	$N(C_4H_9)_2.NO$	$C_8H_{18}ON_2$	234–237 c.	....	Meyer and Forster	B., 10, 132	
Nitrosodiisobutylamine	„	„	213–216	b. 0	Ladenburg	B., 12, 949	**36**, 704
α-ethylene diethyldicarbamide	....	$C_8H_{18}O_2N_4$	cf. A., 119, 356	124 p. d.	Volhard	P. R., 11, 268	ii., 595
β- „ „	....	„	„	201	„	„	„
Guanoline	....	$C_8H_{18}O_4N_6$	....	114–115	Nencki	B., 7, 1590	**28**, 755
„ $+H_2O$	....	„	....	100	„	„	„
Hydroxypropylamylamine	$C_5H_{11}.NH.C_3H_6.OH$	$C_8H_{19}ON$	200	0+	Liebermann & Paal	B., 16, 533	**44**, 910
Trinitro-umbelliferone	$HO.C_6(NO_2)_3.CH : CH.CO.O$	$C_9H_3O_9N_3$	....	216	Posen	B., 14, 2747	**42**, 839
Quinoline quinone	$N ; O_2=1 ; 1.4$	$C_9H_5O_2N$	....	d. 110–120	Fischer and Renouf	B., 17, 1644	**46**, 1371
Quinisatin	v. B., 16, 2221	$C_9H_5O_3N$	....	255–260	Baeyer & Homolka	B., 16, 2221	**46**, 79
Nitrophenylpropiolic acid ...	$NO_2.(C : C.COOH)=1.2$	$C_9H_5O_4N$	....	155–156 d.	Baeyer	B., 13, 2258	**40**, 275
„ „ ..	„ „	„	....	*157 d.*	Müller	A., 212, 142	**42**, 844
„ „ ...	„ $=1.4$	„	....	*181 d.*	Müller	A., 212, 139	**42**, 843
„ „ ...	„ „	„	....	198 d.	Drewsen	A., 212, 155	**42**, 846

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrocoumarin	....	$C_9H_5O_4N$	....	170	Bleibtreu	A., 59, 190	ii., 94
β-dinitroquinoline	....	$C_9H_5O_4N_3$	....	133–134 u. c.	Claus and Kramer	B., 18, 1248	**48**, 908
?- „	N ; $(NO_2)_2=\alpha_1$; $\alpha_1\beta_2$	„	....	149–150	Coste	B., 15, 561	**42**, 979
α- „	....	„	....	182–183 u. c.	Claus and Kramer	B., 18, 1246	**48**, 908
Pyridine tetracarboxylic acid	N.$(COOH)_4$=1.2.3.4.6	$C_9H_5O_8N$	....	227 d.	Fischer and Täuber	B., 17, 2927	**48**, 400
„ „ „	„ „	„	$+2H_2O$	187	„	„	„
„ „ „	„ „	„	„	188 d.	Michael	A., 225, 142 ; B., 17, 491	**48**, 62
m-Tolylene isocyanate	$C_6H_3Me(N:CO)_2$	$C_9H_6O_2N_2$	....	95	Lussy	B., 8, 291	**28**, 770
Nitroquinoline	$N.NO_2=\alpha_1\beta_2$;	„	....	72	Claus and Kramer	B., 18, 1246	**48**, 908
„	„ $=\alpha_1$; α_1	„	....	88·5 c.	Schultz	B., 17, 478	
„	„ „	„	....	88 ; sf. 68	Königs	B., 12, 450	
„	„ „	„	....	88–89	„	B., 14, 99	
„	„ „	„	....	*89*	Coste	B., 16, 674	
„	„ $=\alpha_1$; β_1 or α_2	„	....	120–123	Coste and Bodewig	B., 17, 928	**46**, 1197
„	„ $=\alpha_1$; β_2	„	....	149 u. c.	Claus and Kramer	B., 18, 1250	**48**, 908
„	„ „	„	....	*149–150*	Coste	B., 16, 669	**44**, 811
„	„ $=\alpha_1$; α_2 or β_1	„	....	185–186	Coste and Bodewig	B., 17, 928	**46**, 1197
Phenylparabanic acid	CO.NPh.CO.NH.CO	$C_9H_6O_3N_2$	....	208	Stojentin	J. p., 32, 1	**48**, 1196
Phthalureïde	$C_6H_4:(CO.NH)_2:CO$=1.2	„	....	d. 185–190	Piutti	A., 214, 23	
Hydroxycinnoline carboxylic acid	N:N.C_6H_4.C(OH):C.COOH =1.2	„	....	260–265	Richter	B., 16, 680	**44**, 1105
β-nitro-carbostyril	....	„	....	260	Friedländer and Lazarus	A., 229, 233	**48**, 1139
γ- „ „	....	„	....	280	„	„	„
α- „ „	....	„	....	nf. 320	„	„	„
Nitroso-γ-hydroxycarbostyril	C_6H_4.CO.C(N.OH)C(OH):N =1.2	„	....	208 d.	Baeyer & Homolka	B., 16, 2217	**46**, 78
„ „ „	„ „	„	....	208	„	B., 17, 985	**46**, 1029
Nitrohydroxyquinoline	N ; OH=α_1 ; β_2	„	....	*139–140*	Skraup	M. C., 3, 552	**44**, 94
„	„ „	„	....	140–141	„	M. C., 4, 695	**46**, 87
„	„ $=\alpha_1$; β_1 or α_2	„	....	255 u. c.; p. d.	„	M. C., 3, 564	**44**, 94
„ (?)	....	„	....	m.a. 300	Weidel & Hazura	M. C., 3, 774	
Nitropolyporic acid	....	$C_9H_6O_4N$ (?)	....	230	Stahlschmidt	A., 195, 365	**36**, 383
p-Nitrophenyl nitroacrylic acid	....	$C_9H_6O_6N_2$	cf. B., 16, 850	196–197	Friedländer and Mähly	B., 14, 2577 ; A., 229, 210	**42**, 402
Acetoxycyanobenzene	C_6H_4.CN.OAc=1.4	C_9H_7ON	265–266	57	Lach	B., 17, 1572	**46**, 1154
Hydroxyquinoline	N ; OH=α_1 ; α_1	„	257–260 (748)	69–70 u. c.	Weidel and Cobenzl	W. A., 82, 986	**40**, 743
„	„ „	„	*258·2 (752)*	*73–74*	Skraup	M. C., 3, 536	**44**, 92
„	„ „	„	....	75	Wurtz	C. R., 96, 1269	**44**, 923
„	„ „	„	258	75	Skraup	B., 15, 893	**42**, 1111
„	„ „	„	cf. B., 15, 683	75	Bedall and Fischer	B., 14, 443, 1366	**40**, 613
„	„ „	„	....	75–76	Fischer	B., 15, 1979	**44**, 91
„	„ „	„	....	75–76	„	B., 16, 712	**44**, 1146
„	„ $=\alpha_1$; β_2	„	....	190	Skraup	B., 15, 893	**42**, 1111
„	„ „	„	*310–320*	191–192	Weidel	M. C., 2, 575	**42**, 227
„	„ „	„	....	193	Happ	B., 17, 193	**46**, 758
„	„ „	„	a. 360	*193*	Skraup	M. C., 3, 545	**44**, 913
„	„ „	„	....	194	„	M. C., 4, 695	**46**, 87
„	„ $=\alpha_1$; β_1 or α_2	„	....	224–228	Riemerschmid	B., 16, 722	**44**, 1147
„	„ „	„	....	230	Fischer	B., 15, 1979	**44**, 91
„	„ „	„	....	*235–238 p. d.*	Skraup	M. C., 3, 559	**44**, 95
„	„ „	„	....	238	„	B., 15, 893	**42**, 1111
„ (carbostyril)	N.OH ;$=\alpha_1\beta_1$;	„	....	196	Tiemann and Oppermann	B., 13, 2070	**40**, 171
„ „	„ „	„	....	198–199	Friedländer and Ostermeier	B., 14, 1916	**42**, 201
„ „	„ „	„	....	*198–199*	Einhorn	B., 17, 2012	**46**, 1338
Kynurine	....	„	a. 300 d.	201	Kretschy	M. C., 2, 68	**40**, 828
„ $+3H_2O$	....	„	....	52	„	„	„

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzylcyanide carboxylic acid	(COOH).(CH_2.CN)=1.2	$C_9H_7O_2N$	....	116	Wislicenus	B., 18, 172	**48**, 532
Amidophenylpropiolic acid....	NH_2.(C⋮C.COOH)=1.2	"	cf. B., 16, 679	128–130 d.	Baeyer and Bloem	B., 15, 2148	
Methylphthalimide	C_6H_4.COO.C⋮NMe=1.2	"	abt. 277	132	Græbe and Pictet	B., 17, 1174	**46**, 1019
Phenylmethylacetoxime carboxylic anhydride	C_6H_4.COO.N⋮CMe=1.2	"	....	157–159	Gabriel	B., 16, 1995	**44**, 1128
Methylisatin	C_6H_4.CO.C(OMe)⋮N=1.2	"	....	100–102	Baeyer and Œconimides	B., 15, 2094	**44**, 201
"	" =1.4	"	....	187	Meyer	B., 16, 2266	**46**, 48
Methylpseudisatin	....	"	....	134	Fischer and Hess	B., 17, 565	**46**, 1181
Amidocoumarin	$C_6H_3(NH_2)$.CH⋮CH.COO =1.2	"	....	168–170	Chiozza & Frapolli	A., 95, 253	ii, 93
Dihydroxyquinoline (hydroxycarbostyril)	N.$(OH)_2$=α_1.?; ?	"	....	*189*	Friedländer and Weinberg	B., 15, 2684	**44**, 351
" "	" "	"	....	190·5	Friedländer and Ostermeier	B., 14, 1918	**44**, 201
" "	" =1.2.3;	"	....	a. 300	Friedländer and Weinberg	B., 15, 2681	**44**, 351
" "	" =1.2.4;	"	cf. B., 15, 2683	w. m. 320	Baeyer and Bloem	B., 15, 2151	**44**, 197
Nitrocinnamic aldehyde	NO_2.(CH⋮CH.COH)=1.3	$C_9H_7O_3N$	....	116	Kinkelin	B., 18, 484	**48**, 791
" "	" =1.2	"	....	127	Baeyer & Drewsen	B., 16, 2207	**46**, 59
" "	" "	"	....	*127–127·5*	Diehl and Einhorn	B., 18, 2336	
" "	" =1.4	"	....	135	Göhring	B., 18, 372	**48**, 527
" "	" "	"	....	*141–142*	Diehl and Einhorn	B., 18, 2337	**48**, 1222
Indoxylic acid	N.C_6H_4.C(OH).CH.COOH =1.2	"	....	122–123 d.	Baeyer	B., 14, 1743	**42**, 198
Methylisatoic acid	....	"	....	d. 245	Panastovic	J. p. [2], 31, 122	**48**, 667
?	....	"	....	108	Rössing	B., 17, 3002	
Nitrobenzenylazoximemethenyl	NO_2.(C⋮N.O.CMe⋮N)=1.3	$C_9H_7O_3N_3$	....	109	Schopf	B., 18, 1067	**48**, 897
Nitrosoindazolacetic acid	cryst. fr. ethylic acetate	"	....	123 d.	Fischer and Tafel	A., 227, 303	**48**, 542
" "	" other solvents ...	"	....	96	"	"	"
Nitrocinnamic acid	(CH⋮CH.COOH).NO_2=1.3	$C_9H_7O_4N$	....	196	Stuart	....	**47**, 157
" "	" "	"	cf. B., 11, 1782	*196–197*	Schiff	G. I., 8, 294	**36**, 157, 321
" "	" "	"	....	196–197	Tiemann and Oppermann	B., 13, 2060	**40**, 169
" "	" =1.2	"	....	232	Beilstein and Kuhlberg	A., 163, 129	**25**, 709
" "	" "	"	....	232	Müller	A., 212, 122	**42**, 841, 845
" "	" "	"	....	237	Tiemann and Oppermann	B., 13, 2059	**40**, 169
" "	" "	"	....	*240*	Baeyer	B., 13, 2257	**40**, 274
" "	" "	"	....	240·5–241·5	Gabriel and Meyer	B., 14, 830	
" "	" =1.4	"	....	265	Beilstein and Kuhlberg	Z. C. [2], 7, 489; A., 163, 127	vii., 300, 348; **40**, 169
" "	" "	"	d. a. 270	270	Mitscherlich	A. C. [3], 4, 73	i., 987
" " ...	" "	"	....	274; 276	Müller	A., 212, 122	**42**, 841, 845
" "	" "	"	....	*285–286*	Tiemann and Oppermann	B., 13, 2059	**40**, 169
" "	" "	"	....	286	Stuart	....	**43**, 407
" " ...	" "	"	....	288	Drewsen	A., 212, 151	**43**, 408
β-lactone of nitrophenyllactic acid	NO_2. (CH.CH_2.CO.O)=1.4	"	....	91·9	Basler	B., 16, 3004	**48**, 604
β- " " "	=1.3	"	....	98	Prausnitz	B., 17, 597	**46**, 1175
o-nitrophenylhydroxyacrylic acid	....	$C_9H_7O_5N$	....	110 d.	Baeyer	B., 13, 2262	**40**, 276
Acetylic nitrobenzoate	COOAc.NO_2=1.3	"	....	130–132	Liebermann	B., 10, 863	**32**, 617
Nitrobenzoylacetic acid	NO_2.(CO.CH_2.COOH)=1.4	"	....	135 d.	Perkin & Bellenot	B., 17, 326	**46**, 1024
Carbostyrilic acid	CO_2H.(NH.CO.CO_2H)=1.2	"	+H_2O	*200 d.*	Friedländer and Ostermeier	B., 15, 332	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Carbostyrilic acid	$CO_2H.(NH.CO.CO_2H)$=1.2	$C_9H_7O_5N$	....	200 d.	Hofmann & Königs	B., 16, 734	
Kynuric acid	....	„	$+H_2O$	187	Kretschy	M. C., 4, 157	
Nitrobenzalmalonic acid	$NO_2[.CH:C(COOH)_2]$=1.4	$C_9H_7O_6N$	....	227	Stuart	....	43, 407
α-Nitro-uvitic acid	$(COOH)_2.Me.NO_2$=1.3.5.2	„	cf. A., 189, 171	226–227	Böttinger	B., 9, 806	30, 414
β- „ „	„ =1.3.5.4	„	cf. A., 189, 180	249–250	„	B., 9, 807	„
Picolinetricarboxylic acid ...	$N.Me.(COOH)_3$=1.4.2.3.6	„	....	230–232 d.	Besthorn & Fischer	B., 16, 71	
„ „	„ „	„	d. 236	232	Fischer and Täuber	B. 17, 2926	48, 400
„ „ ...	„ „	„	...	238 d.	Michael	A., 225, 121	48, 62
Acetylchrysanissic acid	$COOH.NHAc.(NO_2)_2$ =1.4.3.5	$C_9H_7O_7N_3$	....	270 d.	Salkowski	B., 10, 1696	
Benzenylazoximethenyl ...	N : CPh.N : CMe.O	$C_9H_8ON_2$	....	41	Tiemann & Krüger	B., 17, 1697	46, 1326
Ethenylazoximebenzenyl	N : CMe.N : CPh.O	„	....	57	Nordmann	B., 17, 2754	48, 239
Anhydro-acetylamidobenzamide	....	„	....	228	Weddige	J. p. [2], 31, 124	48, 661
Carbonyl pyrroline	$CO(NC_4H_4)_2$	„	abt. 238	62–63	Ciamician and Magnaghi	B., 18, 415	48, 809
Pyrroyl pyrroline	„	„	....	62–63	„	B., 18, 1838	48, 1143
Dipyrrylketone (pyrrone)	$CO(C_4H_3.NH)_2$	„	....	160	„	B., 18, 419	48, 809
„ „	„	„	....	160	„	B., 18, 1830	
Hydroxytoluquinoxaline	$C_6H_3Me.N:CH.C(OH):N$	„	....	*241–242*; 247	Hinsberg	B., 18, 1232	48, 910
Hydrazine cinnamic anhydride	$C_6H_4.CH:CH.CO.N(NH_2)$ =1.2	„	....	127	Fischer	B., 14, 480	40, 598
Amidocarbostyril	$N.OH.NH_2;=a_1.\beta_1.a_2;$	„	....	nf. 320	Friedländer and Lazarus	A., 229, 233	48, 1139
?	CHO.NH.NPh.C(NH).CN	$C_9H_8ON_4$	....	192·5–193·5	Bladin	B., 18, 1549	48, 980
Phenylhydantoin	$CO.NH.CO.CH_2.NMe$	$C_9H_8O_2N_2$	....	191–192	Schwebel	B., 10, 2048	34, 301
Benzylidene oxamide	Ph.CH.NH.CO.CO.NH	„	....	a. 200 d.	Medicus	A., 157, 51	24, 152
Cyanamidophenylacetic acid	$(NH.CN).(CH_2.COOH)$=1.4	„	....	134	Traube	B., 15, 2121	44, 193
p-Methylnitroso-oxindole	....	„	....	225–226	Meyer	B., 16, 2268	46, 48
Indazolacetic acid	$NH.N.C_6H_4C.CH_2.CO_2H$ =1.2	„	....	168–170 d.	Fischer and Tafel	A., 227, 303	48, 542
Anhydroamidooxalyltoluidic acid	$C_6H_3Me.NH.CO.C(OH):N$	„	....	a. 300 s. d.	Hinsberg	B., 15, 2692	44, 323
Dihydroxytoluquinoxaline	$C_6H_3Me:[N:C(OH)]_2:$	„	....	nf. 295	Bladin	B., 18, 671	48, 785
o-nitrophenyl β-alanine lactam	$NO_2.C_6H_4.CH.CH_2.CO.NH.$	$C_9H_8O_3N_2$	impure	80	Einhorn	B., 16, 2649	48, 305
Nitro-cinnamide	$NO_2.(CH:CH.CO.NH_2)$=1.4	„	....	155–156	Cahours	A. C. [3], 27, 452	i., 989
Ethoxynitrobenzonitril	$CN.NO_2.OEt$=1.2.6	„	....	137	Bruyn	R. T., 2, 205	48, 656
Phenylhydrazinemesoxalic acid	$N_2HPh:C(COOH)_2$	$C_9H_8O_4N_2$	....	158–164	Elbers	A., 227, 340	48, 535
„ „	„	„	....	*163–164*	Fischer	B., 17, 578	48, 1151
Nitrophenylnitropropylene	$NO_2.(CH:CMe.NO_2)$=1.2	„	....	76	Priebs	A., 225, 319	48, 162
„	„ =1.4	„	....	114	„	„	„
Phthaluric acid	....	„	....	d.a. 150	Piutti	A., 214, 20	
Nitroamidocinnamic acid	$(CH:CH.COOH).NO_2.NH_2$ =1.3.4	„	....	224·5	Herzberg	C. C. [1884], 35	48, 662
„ „	„ „	„	....	224·5	Gabriel and Herzberg	B., 16, 2042	44, 1123
„ „	„ =1.?.2	„	....	240	Friedländer and Lazarus	A., 229, 233	48, 1139
„ „ ...	„ =1.?.2	„	....	254	„	„	
?	....	„	310 p.d.	111	Bruyn	R. T., 2, 205	48, 657
Nitrohippuric acid	$NO_2.(CO.NH.CH_2.CO_2H)$ =1.4	$C_9H_8O_5N_2$	....	129	Jaffe	B., 7, 1678	28, 478
„ „	„ =1.3	„	....	abt. 150	Bertagnini	A., 78, 103	iii., 161
„ „	„ „	„	....	*162*	Conrad	J. p. [2], 15, 254	32, 485
Allyloxydinitrobenzene	$(O.C_3H_5)(NO_2)_2$=1.2.4	„	....	46–47	Willgerodt	B., 12, 765	36, 717

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitro-oxalyltoluidic acid	Me.NO_2.(NH.CO.CO_2H) =1.3.4	$C_9H_8O_5N_2$	....	d. w. m. 150	Hinsberg	B., 15, 2691	
Ethylic dinitrobenzoate	COOEt.$(NO_2)_2$=1.3.5	$C_9H_8O_6N_2$	....	90	Staedel	B., 14, 902	40, 725
" "	" "	"	....	*91*	Beilstein and Kurbatow	A., 202, 223; B., 13, 355	38, 471
" "	" "	"	....	94	Gattermann	B., 18, 1485	
Dinitrohydrocinnamic acid	$(NO_2)_2$.(CH : CH.CO_2H) =1.2.4	"	cf. B., 13, 1680	126·5	Gabriel and Zimmermann	B., 12, 600	36, 640
Methylic dinitromethylsalicylate	CO_2Me.OMe.$(NO_2)_2$=1.2.(?)$_2$	$C_9H_8O_7N_2$	....	69	Salkowski	A., 173, 47	28, 71
Ethylic dinitrosalicylate	CO_2Et.OH.$(NO_2)_2$=1.2.(?)$_2$	"	....	98–99	"	A., 173, 49	"
" "	" =1.2.3.5	"	....	*99–100*	Hübner	B., 10, 1701	34, 151
Ethylic dinitrohydroxybenzoate	" =1.4.3.5	"	....	84	Salkowski	B., 4, 225	24, 556
" "	" "	"	....	87	"	B., 4, 653	24, 920
" "	" "	"	....	*87*	"	A., 163, 44	25, 716
" "	" =1.4.(?)$_2$	"	....	b. 100	Barth	J. p., 100, 366	vi., 901
Dinitrohydro-p-coumaric acid	$(CH_2.CH_2.CO_2H)_2$.OH.$(NO_2)_2$ =1.4.3.5	"	....	137·5	Stöhr	A., 225, 57	48, 1350
Dinitrohydrocoumaric acid	" =1.2.(?)$_2$	"	....	155	Zwenger	As., 5, 118	vi., 716
Cinnamide	C_6H_5.CH : CH.CO.NH_2	C_9H_9ON	....	141·5	Rossum	Z. C. [2], 2, 362	vi., 471
Phenyllactimide	Ph.CH_2.CH.NH.CO(?)	"	....	146–147	Posen	A., 200, 97	38, 322
"	Ph.CH.NH.CO.CH_2(?)	"	....	280	Schulze & Barbieri	J. p. [2], 27, 337	44, 1122
"	"	"	....	*290*	Erlenmeyer & Lipp	A., 219, 179	44, 993
Phenyl α-hydroxypropionitril	Ph.CH_2.CH(OH).CN	"	....	57	"	"	44, 992
Hydrocarbostyril	C_6H_4.N : C(OH).CH_2.CH_2 =1.2	"	....	160	Buchanan & Glaser	Z. C. [2], 5, 194	vi., 715
"	" "	"	....	160	Gabriel and Zimmermann	B., 13, 1682	40, 274
"	" "	"	....	*163*	Friedländer and Weinberg	B., 15, 1424	
Atroxindole	C_6H_4.CHMe.CO.NH=1.2	"	sb. 100	119	Trinius	A., 227, 262	48, 529
Xylylisocyanate	Me_2.(N : CO)=?	"	abt. 200	Liquid	Hofmann	P. R., 19, 108; B., 3, 657	24, 139; vii., 407
Ethenylamidocresol	C_6H_3Me.O.CMe : N=1.4.5	"	218–219 u.c. (748)	Liquid	Nölting and Kohn	B., 17, 361	46, 901
Fr. Methylphthalimide	....	"	300	120	Græbe and Pictet	B., 17, 1174	46, 1019
? (cf. B., 18, 669)	C_7H_6.NH.C(NH).C(OH) : N	$C_9H_9ON_3$	....	nf. 290	Bladin	B. S., 42, 104	48, 257, 785
?	"	"	d. 230–240	nf. 290	"	B., 18, 670	48, 785
Phenylnitropropylene	Ph.CH : CMe.NO_2	$C_9H_9O_2N$	....	64	Priebs	B., 16, 2591; A., 225, 319	46, 313; 48, 161
α-Amidocinnamic acid	Ph.CH : C(NH_2).COOH	"	....	d. 240–250	Plöchl	B., 17, 1621	46, 1349
Benzimidoacetate	C_6H_5.C(: NH).OAc	"	....	116	Pinner and Klein	B., 11, 9	34, 492
Anilido-pyruvic acid....	C_6H_5.N : CMe.COOH	"	....	122 d.	Böttinger	A., 188, 336	34, 33
" "	"	"	....	122	"	B., 10, 818	32, 596
Cinnamhydroxamic acid	Ph.CH : CH.CO.NH.OH	"	....	110	Rostoski	A., 178, 214	29, 273
Amidocinnamic acid....	(C_2H_2.COOH).NH_2=1.2	"	....	158–159 d.	Tiemann and Oppermann	B., 13, 2061	40, 169
" "	" =1.4	"	....	175–176 d.	"	B., 13, 2066	40, 170
" "	" =1.3	"	....	180–181	"	B., 13, 2064	"
Acetamidobenzaldehyde	COH.NHAc=1.2	"	....	70–71	Friedländer and Göhring	B., 17, 457	46, 1020
"	" "	"	....	70–71	Friedländer	B., 15, 2575	44, 332
"	" =1.4	"	....	154·5–155	Gabriel and Herzberg	B., 16, 2004	44, 1104
Ethoxycarbanil	C_6H_4.OEt.CON=1.4	"	....	219	Köhler	J. p. [2], 29, 257	46, 1159
Methoxymandelic nitril	OMe.[CH(OH).CN]=1.2	"	....	71	Voswinkel	B., 15, 2025	44, 190

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methoxymandelic nitril	OMe.[CH(OH).CN]=1.4	$C_9H_9O_2N$	....	63	Tiemann and Köhler	B., 14, 1976	
Hydroxydihydro-carbostyril	C_6H_4.CH(OH).CH_2.C(OH).N =1.2	„	....	149	Einhorn	B., 17, 2011, 2013	**46**, 1338
„	„	„	+2 H_2O	95–97	„	„	„
„	C_6H_4.CH_2.CH(OH).CO.NH =1.4	„	....	197–198	Erlenmeyer and Lipp	A., 219, 179	**44**, 993
?	....	„	310	118	Bruyn	R. T., 2, 205	**48**, 657
?	....	„	....	124	Nemirowsky	J. p. [2], 31, 173	**48**, 741
Methylic isonitrosophenyl-acetate	Ph.C(: NOH).COOMe	$C_9H_9O_3N$	....	138–139	Müller	B., 16, 2987	**46**, 584
Benzylic oxamate	NH_2.CO.COO.CH_2Ph	„	....	134–135	Wallach and Liebmann	B., 13, 507	**38**, 557
Hippuric acid	NHBz.CH_2.COOH	„	240	A., 88, 133	Gossmann	A., 100, 69	iii., 157
„ „	„	„	....	186·5	Curtius	J. p. [2], 24, 239	**40**, 1144
„ „	„	„	....	*187·5*	Conrad	J. p. [2], 15, 246	**34**, 674
„ „	„	„	....	187·5	Baum	Z. P. C., 9, 465	**48**, 982
„ „	„	„	....	188·5	Campani	G. I., 8, 57	**34**, 674
Malonanilic acid	Ph.NH.CO.CH_2.COOH	„	....	*132 d.*	Freund	B., 17, 136	**46**, 729
„ „	„	„	....	132 d.	Rügheimer	B., 17, 235	„
„ „	„	„	....	132	Seifert	B., 18, 1360	
Nitrophenylethylketone	$C_6H_4(NO_2)$.CO.Et=?	„	....	Liquid	Barry	B., 6, 1007	**27**, 74
„	„ =?	„	....	100	Morley and Green	....	**47**, 138
„	„ =?	„	....	100	Barry	B., 6, 1007	**27**, 74
Tolyloxamic acid	Me.(NH.CO.COOH)=1.4	„	....	168–170	Klinger	A., 184, 285	**31**, 712
Acetamidobenzoic acid	COOH.NHAc=1.2	„	....	179	Friedländer and Henriques	B., 15, 2108	
„ „	„ „	„	....	*179–180*	Bedson and King	....	**37**, 754
„ „	„ „	„	....	179–180	Jackson	B., 14, 885	**40**, 735
„ „	„ „	„	....	184 ; 185	Döbner and Müller	B., 15, 3077, 3078	
„ „	„ =1.3	„	begins 260	220–230	Forster	A., 117, 165	**13**, 235 ; iv., 291
„ „	„ „	„	....	*238–240*	Aschau	B., 17, 429	
„ „	„ =1.4	„	....	250 p. d.	Hofmann	B., 9, 1302	**31**, 90
Nitrosoacetoxytoluene	Me.OAc.NO=1.3.?	„	....	92	Wurster and Riedel	B., 12, 1799	**38**, 109
Quinolinic acid	C_6H_4.NH_2.(CH_2.CO.COOH)	„	....	143	Dewar	P. R., 30, 164	**40**, 1043
Leucolinic acid	„	„	....	163	„	„	„
Acid fr. lepidine	....	„	....	179–180	Drewsen	B., 16, 1955	**44**, 1149
Nitrophenylazoacetone	NO_2.(N_2.CH_2.COMe)=1.2	$C_9H_9O_3N_3$	....	123–124	Bamberger	B., 17, 2418	**48**, 157
Nitro-nitrosotetrahydro-quinoline	$C_9H_9N(NO)(NO_2)$	„	....	137–138	Hoffmann and Königs	B., 16, 730	**44**, 1143
Methylic nitrophenyl acetate	NO_2.(CH_2.COOMe)=1.4	$C_9H_9O_4N$	....	54	Maxwell	B., 12, 1765	**38**, 120
„ „ „	„ „	„	....	*54–55*	Bedson	....	**37**, 91
Nitrobenzylic acetate ...	„ „	„	....	78	Beilstein and Kuhlberg	A., 147, 341 ; Z. C. [2], 3, 467	v., 336
„ „	„ „	„	....	*85*	Grimaux	B. S. [2], 8, 433	vi., 285
Nitrohydrocinnamic acid	(CH_2.CH_2.CO_2H).NO_2=1.2	„	....	*113*	Gabriel and Zimmermann	B., 13, 1681	**40**, 274
„ „	„ „	„	....	113	Gabriel and Steudemann	B., 15, 847	**42**, 1073
„ „	„ =1.3	„	....	117–118	„	B., 15, 846	„
„ „	„ =1.4	„	....	163–164	„	B., 15, 843	„
„ „	„ „	„	....	163–164	Beilstein and Kuhlberg	Z. C. [2], 7, 487	vii., 348 ; **25**, 300
„ „	„ „	„	....	*163–164*	„	A., 163, 132	vi., 961
Nitrohydratropic acid ...	(CHMe.CO_2H).NO_2=1.4	„	....	87	Trinius	A., 227, 262	**48**, 529
„ „ ...	„ =1.2	„	....	110	„	„	„
Ethylic nitrobenzoate ...	COOEt.NO_2=1.2	„	....	*30*	Beilstein and Kuhlberg	A., 163, 137 ; Z. C., 7, 616	vii., 165 ; **25**, 711
„ „ ...	„ =?	„	mixture	37	Fittica	B., 10, 483	**32**, 483
„ „ ...	„ =?	„	„	37–38	„	J. p. [2], 13, 184	**36**, 151
„ „ ...	„ =?	„	„	38–39	„	„	**36**, 152

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic nitrobenzoate	$COOEt.NO_2$=1.3	$C_9H_9O_4N$	....	40–41	Salkowski	B., 5, 724	vii., 947 ; **25**, 1024
„ „	„ „	„	cf. B., 10, 482	41	Fittica	J. p. [2], 13, 184	**36**, 152, 153
„ „	„ „	„	*298*	*42*	Chancel	J., 2, 327	i., 556
„ „	„ „	„	....	43	Schiaparelli and Abelli	G. I., 13, 257	**46**, 174
„ „	„ „	„	296	47	Richter	R. K. T., 220	
„ „ (J. [1877], 736)	„ =1.4	„	....	*57*	Wilbrand and Beilstein	A., 128, 262	iv., 61
„ „	„ „	„	....	57·5	Staedel	A., 217, 211, 212	
Ethylic nitrosophenolcarboxylate	$C_6H_4(NO).(O.CO_2Et)$= ?	„	....	109	Walker	B., 17, 400	**46**, 1003
Nitrophenyllactic aldehyde	$NO_2.[CH(OH).CH_2.COH]$ =1.3	„	....	d. 100	Göhring	B., 18, 720	**48**, 792
Salicyluric acid	$HO.C_2H_2O.O.C_7H_4O.NH_2$	„	....	160	Bertagnini	A., 97, 251	v., 172
p-hydroxybenzuric acid	....	„	....	228 d.	....	Z. P. C., 7, 29	
Methylene dioxyphenylamidacetic acid	$CH_2 : O_2 : C_6H_3.CH(NH_2).CO_2H$	„	....	210	Lorenz	B., 14, 794	**40**, 729
Nitroethylbenzoic acid	$COOH.Et.NO_2$=1.4.?	„	cf. A., 216, 220	155–156	Aschenbrandt	B., 12, 1304	**38**, 920
Nitroxylylic acid	$(CH_2.CO_2H).Me.NO_2$=1.4.?	„	....	195	....	Z. C. [1867], 13	
Acetamidosalicylic acid	$COOH.OH.NHAc$=1.2.5	„	....	218	Hübner	B., 8, 1215	**29**, 594
„ „	„ „	„	....	218	„	A., 195, 191	**38**, 381
a-Nitromesitylenic acid	$COOH.Me_2.NO_2$=1.3.5.6	„	....	*210–212*	Schmitz	A., 193, 166	**36**, 155
„ „ ...	„ =1.3.5.?	„	....	218	Fittig	....	vi., 823
β- „ „	„ =1.3.5.4	„	ppd. fr. Ba. salt	179	Jacobsen	B., 11, 2054	**36**, 248
β- „ „	„ „	„	cryst. fr. C_2H_6O	*223*	„	„	„
β- „ „ ...	„ „	„	ppd. fr. Ba. salt	175	Schmitz	A., 193, 168	**36**, 156
β- „ „	„ „	„	cryst. fr. C_2H_6O	214–220; rs. 162; and remelts 168	„	„	„
a-Amido-uvitic acid	$Me.(CO_2H)_2.NH_2$=1.3.5.6	„	cf. A., 189, 176	240 d.	Böttinger	B., 9, 807	**30**, 415
β- „ „	„ =1.3.5.4	„	cf. A., 189, 181	255 d.	„	B., 9, 808	„
Lutidinedicarboxylic acid	$C_5HNMe_2(COOH)_2$	„	....	245	Michael	A., 225, 121	**48**, 62
Nitrophenyl β-lactic acid	$NO_2.[CH(OH).CH_2.CO_2H]$ =1.3	$C_9H_9O_5N$	....	105	Prausnitz	B., 17, 598	**46**, 1175
„ „ „	„ =1.2	„	....	126	Baeyer & Drewsen	B., 16, 2206	**46**, 58
„ „ „	„ „	„	....	*126*	Einhorn	B., 16, 2214	**46**, 66
„ „ „	„ „	„	....	127	Baeyer & Drewsen	B., 15, 2861	**44**, 341
„ „ „ ...	„ =1.4	„	....	129–131	Basler	B., 16, 3005	**46**, 604
„ „ „	„ „	„	....	130–132	„	B., 16, 3006	„
„ „ „	„ „	„	....	*132*	Göhring	B., 18, 373	**48**, 527
Methylic nitranisate....	$CO_2Me.OMe.NO_2$=1.4.6	„	....	abt. 100	Cahours	A., 56, 315	i., 302
Ethylic nitrohydroxybenzoate	$CO_2Et.OH.NO_2$=1.2.3	„	....	44	Hübner	B., 8, 1216	**29**, 593
„ „	„ =1.2.5	„	....	92–93	„	„	„
„ „	„ „	„	....	93	„	A., 195, 14	**38**, 381
„ „	„ =1.4.?	„	....	b. 100	Barth	J. p., 100, 366	vi., 901
Nitroethoxybenzoic acid	$CO_2H.OEt.NO_2$=1.2.5	„	....	161·5	Kraut & Prinzhorn	A., 150, 4	vi., 1006
„ „	„ „	„	....	*163*	Perkin	A., 145, 312	**20**, 429; v., 1009
Nitrohydro-p-coumaric acid	$(CH_2.CH_2.CO_2H).OH.NO_2$	„	....	90·5	Stöhr	A., 225, 57	**46**, 1350
Methoxynitrotoluic acid	$CO_2H.OMe.Me.NO_2$=1.2.4.?	„	...	172–174	Canzoneri	G. I., 10, 516	**40**, 269
„ „	„ „	„	....	*173–175*	Paternò & Canzoneri	G. I., 9, 455	**38**, 247
„ „	„ „	„	....	175	„	G. I., 10, 233	**38**, 884
Diacetylpyromecazonic acid	$C_5H_3NO(OAc)_2$	„	....	153–155	Ost	J. p., 27, 259	**44**, 791
Dinitro-acetoluide	$Me.NHAc.(NO_2)_2$=1.4.3.5	$C_9H_9O_5N_3$	....	189·5	Staedel	A., 217, 187	
„	„ „	„	....	*190·5*	Beilstein & Kuhlberg	A., 158, 341	vii., 1178 ; **24**, 682
„	„ „	„	....	195	Friederici	B., 11, 1976	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Fr. o-nitro-cinnamic acid	....	$C_9H_9O_6N$	....	94	Morgan	B., 17, 220	**46**, 747
Nitroveratric acid	COOH.(OMe)$_2$.NO$_2$=1.3.4.?	„	cf. B., 9, 938	100 d.	Merck	A., 108, 59	**v.**, 995
„ „	„ „	„	....	200–202	Matsmoto	B., 11, 134	**34**, 502
Ethylic dinitrobenzoate	CO$_2$Et.(NO$_2$)$_2$=1.3.5	$C_9H_9O_6N_2$	....	90	Staedel	A., 217, 182	**44**, 865
Dinitrophenylurethane	(NH.COOEt).(NO$_2$)$_2$=1.2.4	$C_9H_9O_6N_3$	....	110–111	Hager	B., 17, 2629	**48**, 150
„	„ =?	„	....	210	Losanitsch	B., 10, 691	
Trinitroisopropylbenzene	Pr$^{\beta}$.(NO$_2$)$_3$=?	„	....	109	Fittig and others	A., 149, 329	
Dinitroacetaniside	OMe.NHAc.(NO$_2$)$_2$=1.2.(?)$_2$	„	....	147	Mühlhäuser	B., 13, 922	**38**, 641
„	„ „	„	....	157	„	A., 207, 243	**42**, 302
Ethylic dinitroamidobenzoate	COOEt.NH$_2$.(NO$_2$)$_2$=1.4.3.5	„	....	abt. 100	Cahours	A. C. [3], 27, 454	**i.**, 957
„ „	„ „	„	cf. B. 4, 871	114	Salkowski	A., 163, 11	**vii.**, 336
„ „	„ =1.2.(?)$_2$	„	....	135	„	A., 173, 47; B., 4, 872	**28**, 71; **vii.**, 336
Dinitro-amidohydrocinnamic acid	(CH$_2$.CH$_2$.CO$_2$H).NH$_2$.(NO$_2$)$_2$ =1.4.3.5	„	....	190	Stöhr	A., 225, 57	**46**, 1350
Trinitroethyltoluene	Me.Et.(NO$_2$)$_3$=?	„	....	92	Glinzer and Fittig	A., 136, 314	**v.**, 857
„	„ =1.4.2.3.?	„	....	92	Jannasch & Dieckmann	B., 7, 1515	**28**, 1189
Trinitropseudocumene	Me$_3$.(NO$_2$)$_3$=1.3.4.2.5.6	„	cf. A., 151, 261	*185*	Fittig	Z. C. [2], 4, 577	**vi.**, 296
„	„ „	„	....	185	Fittig & Laubinger	„	**vi.**, 297
„	„ „	„	....	185	Engler	B., 18, 2235	
Trinitromesitylene	„ =1.3.5.2.4.6	„	....	230–232	Fittig	A., 141, 134	**vi.**, 299
„	„ „	„	....	232	„	Z. C. [2], 4, 577	**vi.**, 296
„	„ „	„	....	232	Kurbatow	B., 16, 966	
„	„ „	„	....	*232*	Engler	B., 18, 2235–7	
Trinitroethoxytoluene	Me.OEt.(NO$_2$)$_3$=1.3.2.4.6	$C_9H_9O_7N_3$	....	72	Nölting and Salis	B., 15, 1864	**44**, 59
Dinitrotyrosine	C$_9$H$_9$(NO$_2$)$_2$NO$_3$	„	....	115	Städeler	J. [1860], 576	**v.**, 934
Dimethyltrinitro-orcinol	Me.(OMe)$_2$.(NO$_2$)$_3$=1.3.5.2.4.6	$C_9H_9O_8N_3$	....	69·5	Stenhouse	P. R., 19, 410	**vii.**, 880
Benzene azoacetone	Ph.N$_2$.CH$_2$.CO.Me	$C_9H_{10}ON_2$	....	148–149	Richter & Münzer	B., 17, 1928	**46**, 1342
Isonitrosoanil acetone	Ph.N:CMe.CH:NOH	„	....	180	Knorr	B., 17, 1637	**46**, 1368
Ethoxyphenylcyanamide	EtO.(NH.CN)=1.2	„	....	94	Berlinerblau	J. p., 30, 97	**48**, 148
„ ...	„ =1.4	„	....	78	„	„	„
Nitrosohydromethyl ketole....	C$_6$H$_4$.CH$_2$.CHMe.N.NO=1.2	„	....	54–55	Jackson	B., 14, 884	**40**, 735
Amidohydrocarbostyril	C$_6$H$_4$.CH$_2$:CH$_2$.CO.N.NH$_2$	„	....	143	Fischer and Kuzel	A., 221, 261	**46**, 441
„	C$_6$H$_3$(NH$_2$).C$_2$H$_4$.CO.NH =1.4.5	„	....	211	Gabriel and Zimmermann	B., 12, 602	**36**, 640
Phenylmethyl oxamide	NHMe.CO.CO.NHPh	$C_9H_{10}O_2N_2$	....	171–173	Wallach and West	B., 9, 266	**30**, 185
„ „	„	„	....	*179–181*	Wallach	A., 184, 70	**32**, 187
Phenylmalonamide	NH$_2$.CO.CH$_2$.CO.NHPh	„	....	163	Freund	B., 17, 135	**46**, 728
Hippuramide	Ph.CO.NH.CH$_2$.CO.NH$_2$	„	....	183	Curtius	J. p. [2], 26, 145	**44**, 339
„	„	„	....	*183*	Conrad	J. p. [2], 15, 248	**32**, 484
Acetylphenylcarbamide	NHPh.CO.NHAc	„	....	183	Kühn	B., 17, 2882	**48**, 260
„	„	„	....	*183*	McCreath	B., 8, 1181	**29**, 401
Acetylbenzenyl amidoxime...	NH$_2$.CPh:NOAc	„	....	96	Schulz	B., 18, 1083	**48**, 897
Phenylhydrazinepyroracemic acid	Ph.N$_2$H:CMe.COOH	„	misprint	169 p.d. (?)	Fischer & Jourdan	B., 16, 2242	**46**, 52
„ „	„	„	....	*192*	Fischer	B., 17, 578	**46**, 1151
Nitrosoacetoluide	Me.NAc(NO)=1.4	„	....	80 d.	„	B., 10, 959	**32**, 607
Tolyloxamide....	Me.(NH.CO.CO.NH$_2$)=1.3	„	....	131	Bladin	B. S., 41, 125	**46**, 1142
„	„ =1.4	„	....	236–237	„	„	**46**, 1141
Acetamidobenzamide ...	NHAc.(CO.NH$_2$)=1.2	„	....	170–171	Weddige	J. p. [2], 31, 124	**48**, 661
Acetamidobenzaldoxime	NHAc.(CH:NOH)=1.4	„	....	205–206	Herzberg	C. C. [1884], 35	**48**, 662
Diamidocinnamic acid ...	(CH:CH.CO$_2$H).(NH$_2$)$_2$ =1.3.4	„	....	167	Gabriel & Herzberg	B., 16, 2043	**44**, 1123
„ „	„ =1.3.5	„	....	167–168	Herzberg	C. C. [1884], 35	**48**, 662
Tetrahydronitroso-hydroxyquinoline	N.OH=α_1; β_1 or α_2	„	....	solid	Riemerschmied	B., 16, 723	
„ „	„ =α_1; α_1	„	....	67–68	Bedall and Fischer	B., 14, 1369	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitropropionanilide	$NO_2.(NH.CO.Et.)=1.2$	$C_9H_{10}O_3N_2$	....	63	Smith	A. C. J., 6, 172	**48**, 524
Nitrophenyl dimethyl acetoxime	$NO_2.(CMe.NOMe)=1.3$	„	....	63–64	Gabriel	B., 15, 3063	**44**, 582
Salycyloxyacetic diamide	$(CO.NH_2).(O.CH_2.CO.NH_2)=1.2$	„	....	158	Rössing	B., 17, 2997	**48**, 388
Uramidophenylacetic acid	$(NH.CO.NH_2)(CH_2.CO_2H)=1.4$	„	....	174 d.	Traube	B., 15, 2122	**44**, 193
Amidohippuric acid	$NH_2.(CO.NH.CH_2.CO_2H)=1.3$	„	A., 78, 112	192	Schwanert	A., 112, 70	
„ „	„ „	„	....	*194*	Conrad	J. p. [2], 15, 257	**32**, 485
Nitroacetoluide	$Me.NHAc.NO_2=1.4.5$	„	....	*92*	Beilstein and Kuhlberg	A., 155, 23 ; Z. C. [2], 5, —	vii., 1166
„	„ „	„	....	92	Nölting and Collin	B., 17, 264	**46**, 1012
„	„ „	„	....	94–95	Gattermann	B., 18, 1483	
„	„ =1.3.2	„	....	101–102	Beilstein and Kuhlberg	Z. C. [2], 7, 99 ; A., 158, 348	**24**, 563, 683 ; vii., 1178
„	„ =1.3.6	„	....	136	Limpricht	B., 18, 1402	**48**, 974
„	„ =1.2.4	„	....	150–151	Nölting and Collin	B., 17, 268	**46**, 1007
„	„ =1.2.6	„	....	*155·5*	Cunerth	B., 7, 643 ; A., 172, 226	**27**, 903 ; **28**, 83
„	„ „	„	....	157·5–158	Ullmann	B., 17, 1959	**46**, 1316
„	„ =1.2.3	„	....	158	Lellmann and Wurthner	A., 228, 239	**48**, 974
„	„ =1.4.6	„	....	160	Cunerth	A., 172, 229	
„	„ =1.2.5	„	....	196–197	Beilstein and Kuhlberg	A., 158, 345	**24**, 682 ; vii., 1178
Azotolylmethazonic acid	$C_6H_4Me.(N_2C_2H_3N_2O_3)=1.4$	$C_9H_{10}O_3N_4$	....	154	Kimich	B., 10, 143	**32**, 326
Nitrophenylurethane	$NO_2.(NH.COOEt)=1.2$	$C_9H_{10}O_4N_2$	....	58	Rudolph	B., 12, 1295	**36**, 921
„	„ =1.4	„	....	129	Hager	B., 17, 2625	**48**, 149
Nitrohpenyl β-anilidopropionic acid	$NO_2.[CH(NH_2).CH_2.CO_2H]=1.4$	„	....	120–122	Basler	B., 17, 1501	**46**, 1173
Nitrophenyl β-alanine	$NO_2.[CH(OH).CH_2.CO.NH_2]=1.4$	„	....	166–167	„	B., 17, 1494	**46**, 1172
„ „	$NO_2.CH.CH_2.CO.O.NH_3=1.4$	„	....	197	Einhorn	B., 16, 2646	**46**, 304
„ „	$NO_2.[CH_2.CH(NH_2).CO_2H]=1.4$	„	....	220	Erlenmeyer and Lipp	A., 219, 179	**44**, 993
Nitroacetaniside	$OMe.NHAc.NO_2=1.2.?$	„	....	143	Mülhäuser	A., 207, 242	**42**, 302
Ethylic nitroamidobenzoate	$CO_2Et.NH_2.NO_2=1.2.3$	„	....	104	Hübner	A., 195, 40	**36**, 382
Methylic nitroamido-α-toluate	$(CH_2.CO_2Me).NO_2.NH_2=1.2.4$	„	....	94	Gabriel and Meyer	B., 14, 825	**40**, 730
Nitro-amidohydrocinnamic acid	$(CH_2.CH_2.CO_2H).NO_2.NH_2=1.2.4$	„	....	137–139	Gabriel and Zimmermann	B., 12, 601	**36**, 640
„ „	„ =1.3.4	„	....	145	Gabriel and Steudemann	B., 15, 845	**42**, 1073
„ „	„ „	„	....	145	Gabriel	B., 15, 845	**44**, 195
Nitroethamidobenzoic acid	$CO_2H.NHEt.NO_2=1.3.5$	„	....	208	Rollwage	B., 10, 1704	**34**, 148
Dinitroethyltoluene	$Me.Et.(NO_2)_2=1.4.(?)_2$	„	....	Liquid	Jannasch and Dieckmann	B., 7, 1514	
„	„ „	„	....	52	„	„	
Dinitropseudocumene	$Me_3.(NO_2)_2=1.3.4.(?)_2$	„	isomeric	86	Rommier	B. S. [2], 19, 434	**26**, 888 ; vii., 402
„	„ „	„	„	86	„	„	„
Dinitromesitylene	„ =1.3.5.2.4	„	....	86	Fittig	A., 141, 133	vi., 299
Dinitroethoxytoluene ...	$Me.OEt.(NO_2)_2=1.2.3.5$	$C_9H_{10}O_5N_2$	....	46	Nölting and Salis	B., 15, 987, 1860	**44**, 59
„	„ „	„	....	51	Kayser	B., 15, 1133	**42**, 1203
„	„ „	„	cf. A., 217, 154	*51*	Staedel	B., 14, 899	**40**, 723
„	„ =1.4.3.5	„	....	73	Nölting and Salis	B., 15, 1858	
„	„ „	„	cf. A., 217, 164	*75*	Staedel	B., 14, 899	„
„	„ „	„	....	75	Kayser	B., 15, 1136	**42**, 1203

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitropseudocumylic nitrate	$Me_2.NO_2.NO_3$=1.3.4.2.6	$C_9H_{10}O_5N_2$	....	84 d.	Auwers	B., 17, 2979	**48**, 380
Dinitropseudocumenol	$Me_3.OH.(NO_2)_2$=1.3.4.6.2.5	"	....	110	"	B., 17, 2981	**48**, 381
Dinitronitrosoethyltoluidine	Me.NEt(NO).$(NO_2)_2$=1.4.3.5	$C_9H_{10}O_5N_4$	....	77–78	Gattermann	B., 18, 1486	**48**, 975
Trinitroethyltoluidine	Me.NHEt.$(NO_2)_3$=1.4.2.3.5	"	....	115–116	"	"	"
Dinitrophenylglycerol	[O.$C_3H_6(OH)_2$].$(NO_2)_2$=1.2.4	$C_9H_{10}O_7N_2$	....	83	Willgerodt	B., 12, 766	**38**, 717
Trinitronitrosotrimethyl diamidobenzene	NMe_2.NMe(NO).$(NO_2)_3$ =1.3.(?)$_3$	$C_9H_{10}O_7N_6$	....	132	Wurster & Morley	B., 12, 1815	**38**, 111
Propionanilide	C_6H_5.NH.CO.CH_2.CH_3	C_9H_{11}ON	....	*92*	Sestini	Z. C. [2], 7, 35; C., 4, 21	**24**, 234; vii., 1009
"	"	"	....	105	Kelbe	B., 16, 1200	**44**, 916
Methylacetanilide	C_6H_5.NMeAc	"	....	99·5	Norton and Allen	B., 18, 1995	
"	"	"	*245*	*99·5*	Hofmann	B., 10, 599	
"	"	"	....	101	Reinhardt and Staedel	B., 16, 29	**44**, 578
"	"	"	....	101–102	Hepp	B., 10, 329	
"	"	"	240–250	104	Hofmann	B., 7, 525	**27**, 807
Benzylacetamide	C_6H_5.CH_2.NHAc	"	a. 250	30	Strakosch	B., 5, 697	vii., 182; **25**, 1027
"	C_6H_5.CH_2.NH_2Ac	"	*300*	*57*	Rudolph	B., 12, 1297	**38**, 921
Dimethylbenzamide	C_6H_5.CO.NMe_2	"	255–257 u.c.	41–42	Hallmann	B., 9, 846	**30**, 418
Ethylbenzaldoxime	C_6H_5.CH : N.OEt	"	....	207·5–209 u.c.	Petraczek	B., 16, 828	
Amidophenylethylketone	$C_6H_4(NH_2)$.CO.Et	"	....	Liquid	Barry	B., 6, 1007	**27**, 74
Acetoluide	Me.NHAc=1.3	"	*303*	*65·5*	Beilstein and Kuhlberg	A., 156, 83	vii., 1176
"	" "	"	....	65·5	Wroblewsky	B., 8, 574	**28**, 886
"	" =1.2	"	....	98	"	Z. C. [2], 7, 135	**24**, 564
"	" "	"	....	102	"	B., 9, 1055	**30**, 510
"	" "	"	....	102	Klingel	B., 17, 1613	**48**, 1343
"	" "	"	....	105	Wroblewsky	Z. C. [2], 7, 135	**24**, 564
"	" "	"	....	105–106	Hübner and Wallach	J. [1869], 678	**37**, 438
"	" "	"	*296*	*107*	Beilstein and Kuhlberg	A., 156, 77	vii., 1176
"	" "	"	....	107	Thomsen	B., 10, 1586	**34**, 218
"	" "	"	....	107	Grete	A., 177, 231	**29**, 74
"	" "	"	....	107–109	Bedson and King	....	**37**, 753
"	" "	"	....	108–109	Kelbe	B., 16, 1200	**44**, 916
"	" =1.4	"	....	a. 140	Merz and Weith	Z. C. [2], 5, 699	vii., 4
"	" "	"	310–350	145–145·5	....	....	v., 871
"	" "	"	*306*	*145*	Beilstein and Kuhlberg	A., 156, 74	vii., 1176
"	" "	"	....	146	Grete	A., 177, 231	**29**, 72
"	" "	"	....	147	Kelbe	B., 16, 1200	**44**, 916
"	" "	"	307	147	Richter	R. K. T., 222	
"	" "	"	....	148	Claus	B., 15, 317	
Dimethamidobenzaldehyde....	COH.NMe_2= ?	"	....	73	Bössneck	B., 18, 1520	**48**, 976
Toluylacetamide	Me.(CH_2.CO.NH_2)=1.3	"	....	141	Radiszewsky and Wispek	B., 18, 1282	**48**, 889
"	" =1.2	"	....	161	"	B., 18, 1281	"
"	" =1.4	"	....	184	"	"	"
Xylylformamide	Me_2.(NH.CHO)=1.3.4	"	....	113–114	Gasiorowski and Merz	B., 18, 1011	**48**, 773
Mesitylenamide	Me_2.(CO.NH_2)=1.3.5	"	....	133	Fittig	A., 147, 47	vi., 824
Xylylamide	" =1.3.6	"	....	181, a.s. 179	Ador and Meier	B., 12, 1970	**38**, 252
Isoxylamide	" =1.4.5	"	....	186	Jacobsen	B., 14, 2112	**42**, 187
Tetrahydrohydroxyquinoline	N.OH=a_1 ; β_1 or a_2	"	....	116–117	Riemerschmied	B., 16, 723	**44**, 1148
"	" =a_1 ; a_1	"	....	121–122	Bedall and Fischer	B., 14, 1368	
Ethylic benzhydroxaminate	HO.CPh : N.OEt (?)	$C_9H_{11}O_2N$	cf. B., 16, 874; 18, 727	Liquid	Tiemann & Krüger	B., 18, 736, 1053	**48**, 790, 896
" "	Bz.NH.OEt (?)	"	"	64–65	Waldstein	A., 181, 385	**30**, 526
" "	"	"	"	67	Pieper	A., 217, 11	**44**, 461

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Ethylbenzhydroxamic acid	Bz.NEt.OH(?)	$C_9H_{11}O_2N$	cf. B., 16, 874; 18, 727	53·5–54·5	Lossen and Zanni	A., 182, 221	**31**, 188
α- " "	"	"	....	Liquid	Eiseler	A., 175, 329	
α- " "	"	"	....	54	Pieper	A., 217, 4	**44**, 461
α- " "	"	"	....	53·5	Gurke	A., 205, 285	**40**, 585
β- " "	....	"	....	67	Pieper	A., 217, 5	**44**, 461
β- " "	....	"	....	67·5–68	Gurke	A., 205, 286	**40**, 585
Ethylic phenylcarbamate	NHPh.COOEt	"	184–186	Liquid	Schiff	B., 3, 649	
" "	"	"	237	51	Hofmann	B., 3, 654	
" " ...	"	"	*237–238 d.*	*51·5–52*	Wilm and Wischin	A., 147, 159	vii., 252
Methylic phenamidoacetate	$NHPh.CH_2.COOMe$	"	....	48	Meyer	B., 8, 1157	**29**, 373
α-Phenamidopropionic acid	NHPh.CHMe.COOH	"	....	162	Tiemann & Stephan	B., 15, 2036	**44**, 199
Phenylmethamidoacetic acid	NHMe.CHPh.COOH	"	....	w.m. 274	Tiemann & Priest	B., 14, 1982	**42**, 50
Phenyl α-amidopropionic acid	$Ph.CH_2.CH(NH_2).COOH$	"	....	a. 260 d.	Plöchl	B., 17, 1624	**46**, 1349
" α- " "	"	"	....	250 d.	Schulze & Barbieri	B., 14, 1788	**42**, 189
" α- " "	"	"	cf. B., 15, 1006	sb. w.m.	Erlenmeyer & Lipp	A., 219, 200	**42**, 972
" β- " "	$Ph.CH(NH_2).CH_2.COOH$	"	cf. B., 15, 1006	120–121	Posen	A., 195, 143	**36**, 378
α-Amidohydratropic acid	$CH_3.CPh(NH_2).COOH$	"	....	w.m. 260	Tiemann	B., 14, 1981	**42**, 57
β- " "	$CH_2(NH_2).CHPh.COOH$	"	....	169–170	Merling	A., 209, 11	**40**, 1143
β- " " ...	"	"	....	169·5	Fittig and Wurster	A., 195, 158	**36**, 379
α-Phenoxypropoinamide	$CH_3.CH(OPh).CO.NH_2$	"	....	130	Saarbach	J. p. [2], 21, 152	**38**, 393
Ethoxyformanilide	OEt.NH(CHO)=1.2	"	292	62	Groll	J. p. [2], 12, 208	**29**, 247
Methoxyacetanilide	OMe.NHAc=1.2	"	303–305	79	Mülhäuser	B., 13, 921	**38**, 641
"	" "	"	303–305	78	"	A., 207, 242	**42**, 302
"	" "	"	....	84	Herold	B., 15, 1685	
Ethoxybenzamide	$OEt.(CO.NH_2)=1.2$	"	....	110	Limpricht	A., 98, 264	v., 151
Melilotamide	$OH.(CH_2.CH_2.CO.NH_2)=1.2$	"	....	70	Zwenger	As., 5, 120	vi., 716
Phloretamide....	$OH.(CHMe.CO.NH_2)$	"	....	110–111	Hlasiwetz	A., 102, 162	iv., 489
Ethylic amidobenzoate	$NH_2.COOEt=1.2$	"	260	....	Kolbe	J. p. [2], 30, 467	**48**, 665
" "	" =1.4	"	....	95	Müller	B., 18, 2485	
Dimethamidobenzoic acid	$NMe_2.COOH=1.3$	"	....	151	Griess	B., 6, 587	**26**, 1146
" "	" =1.4	"	....	235	Michler	B., 9, 401	**30**, 68
Ethamidobenzoic acid	NHEt.COOH=1.3	"	....	112	Griess	B., 5, 1038	**28**, 281; viii., 167
β-Amidophenyl propionic acid	$NH_2.(CH_2.CH_2.COOH)=1.2$	"	....	d.	Gabriel and Steudemann	B., 15, 847	**42**, 1073
β- " " "	" =1.3	"	....	84–85	"	B., 15, 846	"
β- " " "	" =1.4	"	....	131	"	B., 15, 847	"
β- " " "	" "	"	....	*131*	....	Z. C. [1869], 195	vi., 961
α- " " "	$NH_2.(CHMe.COOH)=1.4$	"	....	128	Trinius	A., 227, 262	**48**, 529
Tolylglycocine	$Me.(NH.CH_2.COOH)=1.2$	"	....	143	Cosack	B., 13, 1091	**38**, 713
"	" "	"	d. 170	145	Meyer	B., 8, 1159	**29**, 401
"	" "	"	....	*149–150*	Staats	B., 13, 137	**38**, 387
"	" "	"	....	150	Ehrlich	B., 16, 204	
"	" =1.3	"	....	?	"	B., 15, 2011	
"	" =1.4	"	....	*166–168*	Schwebel	B., 10, 2047	**34**, 302
"	" "	"	....	166–168	Staats	B., 13, 137	
" (misprint in orig.)	" "	"	...	168–169	Meyer	B., 14, 1324	
Tolylhydroxyacetamide	$Me.(NH.CO.CH_2.OH)$	"	$+1\frac{1}{2}H_2O$	70–130	Tommasi	....	**27**, 628
Tolylamidoacetic acid ...	$Me.[CH(NH_2).COOH]=1.3$	"	sb. 230	d.	Bornemann	B., 17, 1472	**46**, 1163
Acetamidocresol	Me.OH.NHAc=1.4.5	"	....	159–160	Nölting and Kohn	B., 17, 361	**46**, 901
"	" = ?	"	....	178	Maassen	B., 17, 609	**46**, 1145
"	" =1.2.4	"	..	*224–225*	Wallach	B., 15, 2831	**44**, 329
"	" "	"	....	224–225	Maassen	B., 17, 609	
Nitromesitylene	$Me_3.NO_2=1.3.5.6$	"	240–250	41	Fittig and Storrer	A., 147, 1	vi., 299
" (cf. A., 179, 169)	" "	"	255	42	Ladenburg	B., 7, 1135	**28**, 64
"	" "	"	....	44	Biedermann and Ledoux	B., 8, 57	**28**, 569
Nitropseudocumene	" =1.3.4.5	"	....	20	Edler	B., 18, 629	**48**, 771
"	" =1.3.4.6 (?)	"	265	71	....	Z. C. [1867], 12	vi., 297

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Amidomesitylenic acid ...	$Me_2.COOH.NH_2$=1.3.5.6	$C_9H_{11}O_2N$	....	*186–187*	Schmitz	A., 193, 171	**36**, 156
" " ...	" "	"	....	190	Jacobsen	B., 11, 2055	
" " ...	" =1.3.5.2	"	....	235	Fittig	A., 147, 50	vi., 823
" " ..	" "	"	....	235	Schmitz	A., 193, 171	**36**, 156
Collidine carboxylic acid	$C_5NHMe_3.COOH$	"	....	155	Michael	A., 225, 121	**48**, 62
" " "	"	"	$+2H_2O$	110	"	"	"
Nitrosoethylphenyl carbamide	....	$C_9H_{11}O_2N_3$	....	59·5	Fischer	A., 199, 286	
Glycolphenylguanidine ...	NHPh.C(: NH).NH.CH_2.CO_2H	"	....	260 d.	Berger	B., 13, 993	**38**, 802
Nitropropylazobenzene ...	$CH_3.CH_2.CH(NO_2)$.N : NPh	"	...	98–99	Meyer	B., 9, 386	**30**, 93
Nitroethylazotoluene	$C_6H_4Me.N_2.C_2H_4.NO_2$=1.2	"	....	87–88	Barbieri	B., 9, 388	**30**, 94
"	" =1.4	"	....	133	"	B., 9, 387	"
Phenylamidolactic acid	$Ph.C_2H_2(OH)(NH_2).CO_2H$	$C_9H_{11}O_3N$	....	189–190	Plöchl	B., 16, 2822	**46**, 606
Ethoxamidobenzoic acid ...	NH(OEt).COOH=1.4	"	....	187	Ladenburg	B., 6, 130	**26**, 642
Amidophenyllactic acid	$NH_2.[CH_2.CH(OH).COOH]$ =1.4	"	....	188	Erlenmeyer & Lipp	A., 219, 179	**44**, 994
Ethylic hydroxyphenylcarbamate	OH.(NH.COOEt)=1.2	"	....	85	Grenvik	B. S. [2], 25, 177	**31**, 473
" "	" =1.4	"	....	120	"	B. S. [2], 25, 179	"
Tyrosine	$OH.[CH_2.CH(NH_2).CO_2H]$ =1.4	"	cf. B., 16, 854	167–168	Blendermann	Z. P. C., 6, 234	**44**, 878
Methoxymandelamide	$OMe.[CH(OH).CO.NH_2]$ =1.4	"	....	159	Tiemann	B., 14, 1977	**42**, 57
Methoxyphenylamidoacetic acid	$OMe.[CH(NH_2).CO_2H]$=1.4	"	....	w. m. 225	"	B., 14, 1979	
Methoxyphenylglycocine	$OMe.(NH.CH_2.CO_2H)$=1.2	"	....	141·5	Vater	J. p. [2], 29, 286	**46**, 1144
" ...	" =1.4	"	....	d. w. m. 200	"	"	"
Methamidanisic acid	OMe.NHMe.COOH=?	"	....	a. 200	Griess	B., 5, 1042	vii., 79; **26**, 282
Nitroethoxytoluene	$Me.OEt.NO_2$=1.2.3	"	....	Liquid	Staedel	A., 217, 50, 153	**44**, 865
"	" =1.4.5	"	275–285	Liquid	"	A., 217, 54, 162	**44**, 662, 862
"	" "	"	....	Liquid	Kayser	B., 15, 1134	**42**, 1203
"	" =1.3.?	"	....	54	"	"	"
"	" "	"	....	54	Staedel	A., 217, 161	**44**, 862
"	" =1.2.5	"	....	71	"	B., 14, 899	**40**, 723
"	" "	"	....	71	"	A., 217, 155	**44**, 862
"	" "	"	....	71	Kayser	B., 15, 1133	**42**, 1203
"	" =?	"	285	72–73	Ladenburg	B., 8, 1212	
Nitromethoxyxylene ...	$Me_2.OMe.NO_2$=$1.3(?)_2$	"	....	56–57	Pfaff	B., 16, 1136	**44**, 918
Nitromesitol	$Me_3.OH.NO_2$=1.3.5.2.4	"	cf. A., 215, 98	64	Knecht	B., 15, 1376	**42**, 1200
Acetylethylpyromeconamic acid	....	"	....	140	Mennel	J. p. [2], 32, 176	**48**, 1204
Phenylhydroxyethenyluramidoxime	HO.CHPh C(NOH).NH. $CO.NH_2$	$C_9H_{11}O_3N_3$	....	127	Gross	B., 18, 2478	**48**, 1218
Ethylnitrobenzenylamidoxime	$NO_2.[C(NH_2)$: NOEt]=1.3	"	....	b. 15(?)	Schopf	B., 18, 1065	**48**, 896
Nitro β-phenylpropylene glycol	$NO_2.[CH(OH).CH_2.CH_2.OH]$ =1.2	$C_9H_{11}O_4N$	....	108–109	Baeyer & Drewsen	B., 15, 2861	**44**, 341
Amidophenylglyceric acid	$NH_2.[CH(OH).CH(OH).CO_2H]$=1.2	"	....	218	Morgan	J. [1877], 788 ; C. N. 36, 269	
α-ethylnitro-orcinol	$Me.OEt.OH.NO_2$=1.3.5.?	"	....	54	Weselsky and Benedikt	M. C., 2, 371	**40**, 1140
β- "	" "	"	....	103	"	"	"
Trimethylpyrroline dicarboxylic acid	$NMe.Me_2.(CO_2H)_2$=1.2.5.3.4	"	....	d. 240–245	Knorr	B., 18, 307	**48**, 555
Ethylic amidonitrophenylcarbamate	$(NH.CO_2Et).NH_2.NO_2$=1.2.4	$C_9H_{11}O_4N_3$	....	162	Hager	B., 17, 2631	**48**, 150
Dinitroethyltoluidine ...	$Me.NHEt.(NO_2)_2$=1.4.3.5	"	....	126–126·5	Gattermann	B., 18, 1485	**48**, 975
Dinitrodimethyltoluidine	$Me.NMe_2.(NO_2)_2$=$1.3(?)_2$	"	....	107	Wurster and Riedel	B., 12, 1800	**38**, 109
"	" "	"	....	168	"	"	"
Dinitrocumidine	$Me_3.NH_2.(NO_2)_2$=$1.3.4.(?)_3$	"	....	78	Engel	B., 18, 2232	**48**, 1216
Dinitromesidine	" =1.3.5.2.4.6	"	....	193–195	Ladenburg	A., 179, 168	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitromesidine	$Me_3.NH_2.(NO_2)_2$=.1.3.5.2.4.6	$C_9H_{11}O_4N_3$	....	193–195	Fittig	A., 141, 138	vi., 300
Nitrobenzylidenediureïde	$NO_2\,C_6H_4.CH(NH.CO.NH_2)_2$	$C_9H_{11}O_4N_5$	....	200 d.	Schiff	A., 151, 194	
Menispermine	....	$C_9H_{12}ON$(?)	....	120	Pelletier & Conerbe	A. C. [2], 54, 178	iii., 880
Ethylphenylcarbamide	NH_2.CO.NEtPh	$C_9H_{12}ON_2$	....	62	Gebhardt	B., 17, 2095	**46**, 1321
" ...	....	"	....	99	....	B. S., 4, 203	
Phenylethylcarbamide ...	$NH_2.CO.NH.CH_2.CH_2Ph$	"	....	112	Spica	G. I., 9, 555	**38**, 242
α-phenamidopropionamide	NHPh.CHMe.CO.NH_2	"	....	140–141	Tiemann and Stephan	B., 15, 2035	**44**, 199
Phenylmethamidoacetamide	Ph.CH(NHMe).CO.NH_2	"	....	155	Tiemann and Piest	B., 14, 1983	
Methylphenamidoacetamide	$NPhMe.CH_2.CO.NH_2$	"	....	163	Silberstein	B., 17, 2662	**48**, 160
Benzylic ethenylamidoxime	NH_2.CMe : $NO.CH_2Ph$	"	d. 200	Liquid	Nordmann	B., 17, 2752	**48**, 239
Ethylic benzenylamidoxime	NH_2.CPh : NOEt	"	....	65–66	Lossen	B., 18, 1194	
" "	"	"	....	67	Tiemann & Krüger	B., 18, 732	**48**, 790
" "	"	"	....	*67*	Krüger	B., 18, 1056	**48**, 896
Ethyltolylnitrosamine ...	C_6H_4Et.NEt(NO)=1.4	"	....	?	Gastiger	B. S., 42, 338	**48**, 381
Tolylamidoacetamide ...	Me.($NH.CH_2.CO.NH_2$)=1.4	"	....	162–163 d.	Meyer	B., 8, 1160	**29**, 402
Nitrosodimethyltoluidine	Me.NMe_2.NO=1.3.?	"	....	92	Wurster and Riedel	B., 12, 1797	**38**, 109
Acetdiamidotoluene	Me.NH_2.NHAc=1.2.4	"	....	*158–159*	Tiemann	B., 3, 221	
"	" "	"	....	159–160	Wallach	B., 15, 2826	
"	" "	"	....	159–161	"	B., 15, 2835	
Xylyl carbamide	$Me_2.(NH.CO.NH_2)$=1.3.4	"	....	186	Genz	B., 3, 226	vii., 1210
Phenylhydrazinepropionic acid	NHPh.NH.CHMe.COOH	$C_9H_{12}O_2N_2$	....	152–153	Fischer and Jordan	B., 16, 2244	**46**, 53
" "	NH_2.NPh.CHMe.COOH	"	....	187	Reissert	B., 17, 1455	**46**, 1152
Ethylic amidophenylcarbamide	NH_2.(NH.COOEt)=1.4	"	....	71–72	Hager	B., 17, 2626	**48**, 149
" "	" =1.2	"	....	86	Rudolph	B., 12, 1295	**36**, 921
Hydrazine hydrocinnamic acid	$(NH.NH_2).(C_2H_4.CO_2H)$=?	"	....	146	Fischer and Kuzel	A., 221, 261	**46**, 441
Acethydrazine anisoïl	MeO.(N_2H_2Ac)=1.2	"	....	125	Reisenegger	A., 221, 314	**46**, 440
Ethoxyphenylcarbamide	EtO.($NH.CO.NH_2$)=1.4	"	....	160	Berlinerblau	J. p., 30, 97	**48**, 148
Nitrocumidine	Pr.$NH_2.NO_2$=?	"	....	b. 100	Cahours	C. R., 26, 316	ii., 176
Nitroethyltoluidine	Me.NHEt.NO_2=1.4.5	"	....	58–59	Gattermann	B., 18, 1483	**48**, 975
Nitrodimethyltoluidine ...	Me.$NMe_2.NO_2$=1.3.?	"	....	84	Wurster and Riedel	B., 12, 1800	**38**, 109
Diamidocinnamic acid	$(CH_2.CH_2.CO_2H).(NH_2)_2$ =1.3.4	"	....	142–144	Gabriel	B., 15, 2291	**44**, 195
Nitromesidine	$Me_3.NH_2.NO_2$=1.3.5.2.4	"	....	74	Biedermann and Ledoux	B., 8, 58	**28**, 569
"	" "	"	....	75	Hübner and Schack	B., 10, 1711	**34**, 144
"	" "	"	....	*73–74*	Ladenburg	A., 179, 165	
"	" "	"	....	72–73	"	B., 7, 1134	
"	" "	"	....	b. 100	Maule	A., 71, 137	**2**, 116; iii., 930
Nitropseudocumidine ...	" =1.3.4.6.5	"	....	46–47	Elder	B., 18, 629	**48**, 771
" ...	" =1.3.4.(?)$_2$	"	cf. A., 151, 266	137	Fittig and Laubenheimer	Z. C. [2], 4, 577	vi., 297
Benzylidenediureïde....	Ph.CH($NH.CO.NH_2)_2$	$C_9H_{12}O_2N_4$	....	195	Schiff	A., 151, 192	
Nitrosoethylphenylsemicarbazide	Ph.N(NO).NH.CO.NHEt	"	....	86·5 d.	Fischer	A., 190, 111	**34**, 307
Tolylene dicarbamide	Me.($NH.CO.NH_2)_2$=?.1.3	"	....	220	Strauss	A., 148, 157	vi., 1117
" " ...	" "	"	....	220	Lussy	B., 8, 292	
Ethyltheobromine	cf. B., 15, 33	"	....	a. 270	Philips	B., 9, 1309	**31**, 93
Diamidoethoxytoluene	Me.OEt.($NH_2)_2$=1.4.3.5	$C_9H_{12}O_3N_2$	....	Liquid	Kayser	B., 15, 1136	**42**, 1203
Nitro-nitrosotrimethdiamidobenzene	NMe_2.NMe(NO).NO_2=1.4.?	$C_9H_{12}O_3N_4$	....	87	Wurster & Schobig	B., 12, 1811	**38**, 111
Tetramethyluric acid	NMe.CO.C.NMe.CO CO.NMe.C.NMe	"	distils	218	Fischer	B., 17, 1784	**46**, 1310
Methylphenylethylalkine ...	$NPhMe.C_2H_4.OH$	$C_9H_{13}ON$	218–219(110)	Liquid	Laun	B., 17, 676	**46**, 1011
Dimethamidomethoxybenzene	OMe.NMe_2=1.2	"	210–212	Liquid	Mülhäuser	A., 207, 248	**42**, 302
"	" =1.4	"	....	48	Griess	B., 13, 249	**38**, 637

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc
Hydroxyethyltoluidine	Me.(NH.C_2H_4.OH)=1.4	$C_9H_{13}ON$	286–288	37	Demole	B., 7, 636; A., 173, 129	**27**, 903
Ethoxytoluidine	Me.OEt.NH_2=1.2.5	,,	....	Liquid	Staedel	A., 217, 217	**44**, 866
,, ...	,, ,,	,,	....	Liquid	Kayser	B., 15, 1135	**42**, 1203
,, ...	,, =1.3.?	,,	....	Liquid	,,	,,	,,
,, ...	,, ,,	,,	....	Liquid	Staedel	A., 217, 219	**44**. 866
,, ...	,, =1.4.5	,,	....	40–41	,,	A., 217, 220	,,
,, ...	,, ,,	,,	....	40–41	Kayser	B., 15, 1135	**42**, 1203
Amidomesitol	Me_3.OH.NH_2=1.3.5.2.4	,,	cf. A., 215, 99	cryst.	Knecht	B., 15, 1376	
Amidopseudocumenol	,, =1.3.4.6.2	,,	....	164–165	Auwers	B., 17, 2980	
,, ...	,, ,,	,,	....	166-167	Liebermann and Kostanecki	B., 17, 886	**46**, 1147
Phenyldimethamidocarbamide	NHPh.CO.NH.NMe_2	$C_9H_{13}ON_3$	....	108	Renouf	B., 13, 2172	**40**, 152
α-phenylhydrazinepropionamide	NH_2.NPh.CHMe.CO.NH_2	,,	....	124	Reissert	B., 17, 1454	**46**, 1152
Ethylphenylsemicarbazide	Ph.NH.CO.N_2H_2Et	,,	....	111–112	Fischer	A., 199, 295	
,,	Ph.N_2H_2.CO.NHEt	,,	....	151	Fischer	A., 190, 109	**34**, 307
Nitrosotrimethdiamidobenzene	NMe_2.NMe(NO)=1.4	,,	....	98–99	Wurster & Schobig	B., 12, 1809	**38**, 111
Dimethamidophenylcarbamide	NMe_2.(NH.CO.NH_2)=1.4	,,	....	179	Binder	B., 12, 536	**36**, 628
Ethylic dimethylpyrroline carboxylate	$C_4NH_2Me_2$.COOEt	$C_9H_{13}O_2N$	290 (731)	117–118	Knorr	B., 18, 1564	**48**, 995
Nitrodiamidomesitylene	Me_3.NO_2.$(NH_2)_2$=1.3.5.2.4.6	$C_9H_{13}O_2N_3$	....	184	Fittig	A., 141, 139	vi., 300
Ethylic ethylacetocyanacetate	CEtAc(CN).COOEt	$C_9H_{13}O_3N$	105–110 (2–15)	Liquid	Held	C. R., 98, 522	**46**, 727
Camphoronamic acid	....	$C_9H_{13}O_4N$	....	212	Hjelt	B., 13, 798	**38**, 670
Diamidoethoxytoluene	Me.OEt.$(NH_2)_2$=1.4.3.5	$C_9H_{14}ON_2$	....	75	Staedel	A., 217, 221	**44**, 866
? -amidine	C_4H_3O.C(NHEt):NEt	,,	a. 200	....	Wallach	B., 14, 753	**40**, 715
,, ,,	,,	,,	*240*	....	,,	A., 214, 232	**44**, 88
Diethylcarbopyrrolamide	NEt.(CO.NHEt)=1.2	,,	269–270	43–44	Bell	B., 10, 1863; 11, 1813	**36**, 525
Hydroxycyanconine	....	,,	....	156–157	Meyer	J. p. [2], 22, 267	**40**, 54
Dihydroxycyanconine	$C_9H_{12}N_2(OH)_2$	$C_9H_{14}O_2N_2$	....	151	Riess	J. p. [2]. 30, 145	**48**, 235
Caffeïne methhydroxide	$C_8H_{10}O_2N_4$.MeOH	$C_9H_{14}O_3N_4$	....	137–138	Schmidt	B., 16, 2588	**46**, 339
Ethylic cyanurate	EtO.C:N.C(OEt):N .C(OEt):N	$C_9H_{15}ON$	....	29	Mulder	R. T., 1, 191	**44**, 304
Phoronoxime	C_9H_{14}:N.OH	,,	218 c.	48	Nageli	B., 16, 496	**44**, 728
Pseudopelletierine +2H_2O ...	cf. C. R., 88, 716	,,	246	46	Tanret	B. S., 36, 256	**36**, 658
Ecgonin	....	$C_9H_{15}O_3N$	+H_2O	198	Lossen	A., 133, 365	
Triethylic cyanurate....	....	$C_9H_{15}O_3N_3$	195	Liquid	Cloez	A., 137, 127	vi., 520
,, ,, (normal)	$(CN.OEt)_3$	,,	....	28	Ponomareff	B., 15, 514	
,, ,, ,,	,,	,,	*250 (40-50)*	*29*	Mulder	B., 15, 71; 16, 390	**42**, 590
,, ,,	....	,,	235	95	Hofmann	13, 322	ii., 292
,, ,,	....	,,	....	95	Mulder	B., 16, 390	
,, ,,	....	,,	....	95	Hofmann	B., 3, 766	**24**, 136
,, ,,	....	,,	253	95	Wurtz	J., 7, 567	
,, ,,	....	,,	276	95	Richter	R. K. T., 227	
Amidocamphoronic acid	....	$C_9H_{15}O_5N$	....	212	Hjelt	B., 13, 799	**38**, 670
Ammonium anhydrocamphoronate	$C_9H_{18}O_5N_2$(?)	,, (?)	....	125	Kachler & Spitzer	M. C., 6, 173	**48**, 807
Triglycollamic triuramide	$(NH.CONH.CO.CH_2)_3N$	$C_9H_{15}O_6N_7$	cf. B., 5, 1013	nf. 230	Mulder	B., 6, 1016	**27**, 48
Nitrosotriacetonamine	....	$C_9H_{16}O_2N_2$	....	72–73	Heintz	A., 185, 6; 187, 233	
Amidocamphoronamide	....	$C_9H_{16}O_4N_2$	....	160	Hjelt	B., 13, 797	**38**, 670
Triacetonamine	CO:$(CH_2.CMe_2)_2$:NH	$C_9H_{17}ON$	....	34·6	Heintz	A., 178, 305	**29**, 382
,, ...	,,	,,	....	39·6	,,	A., 174, 144	**28**, 351
,, ...	,,	,,	+H_2O	58	,,	A., 178, 305	**29**, 382
Methylpelletierine	....	,,	215	Liquid	Tanret	C. R., 90, 695	**38**, 481
-methyltopine	....	,,	243	....	Ladenburg	B., 14 2127, 2404	**42**, 216

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-methyltropine	....	$C_9H_{17}ON$	240–245	....	Merling	B., 14, 1830	**42**, 216
β- „	$C_7H_{10}.OH.NMe_2$	„	198–205 d.	....	Ladenburg	B., 14, 2404	„
Isonitrosoisobutylketone	....	$C_9H_{17}O_2N$	....	42	Lang	B., 18, 1364	
Ethylic hydroxypentamate	....	$C_9H_{17}O_3N$	....	77–77·5	Demarçay	A. C. [5], 20, 488	
Ammonium hydroxycamphorate	$C_9H_{13}(NH_4)O_6$	$C_9H_{17}O_6N$	....	178	Kachler	A., 191, 143	**34**, 513
Isononylamide	$CMe_2.(CH_2)_3.CHMe.CO.NH_2$	$C_9H_{19}ON$	....	*80–81*	Kuhlhem	A., 173, 319	**28**, 354, 884
„	„	„	....	81	„	A., 176, 308	**vii.**, 898
Pelargonamide	$CH_3.(CH_2)_7.CO.NH_2$	„	....	92–93	Schalfejeff	B., 6, 1252	**27**, 255
„	„	„	....	99	Hofmann	B., 15, 984	**42**, 950
„	C_8H_{17} $CO.NH_2$	„	...	105	Kuhlhem	A., 176, 308	**28**, 884
Ethyl œnanthaldoxime	....	„	185–187	Liquid	Westenberger	B., 16, 2993	**46**, 581
Triacetonalkamine	....	„	....	128·5	Heintz	A., 183, 309	**31**, 592
Pseudotriacetonalkamine	....	„	....	180	„	A., 183, 304	„
Tetraethylcarbamide	$NEt_2.CO.NEt_2$	$C_9H_{20}ON_2$	205	Liquid	Michler	B., 8, 1664	**29**, 702
„		„	210–215	Liquid	Wallach	B., 14, 747	
Isobutylbutylcarbamide	$CMe_3.NH.CO.NHBu^{\beta}$	„	....	163	Brauner	B., 12, 1875	**38**, 228
Dibutylcarbamide	$CMe_3.NH.CO.NH.CMe_3$	„	....	242	„	„	„
Œnanthodiureïde	$C_6H_{13}.CH(NH.CO.NH_2)_2$	$C_9H_{20}O_2N_4$	....	166 d.	Schiff	A., 151, 186	
Oxalyldiethylhydrazine	$CO(NH.NEt_2)_2$	$C_9H_{22}ON_4$	....	204	Fischer	A., 199, 297	
From ethylcarbamine	cf. B. S., 11, 221	$C_9H_{22}O_2N_4$	....	112	Gautier	C. R., 67, 804	**vi.**, 529
β-Tetranitronaphthalene	$C_{10}H_4(NO_2)_4$	$C_{10}H_4O_8N_4$	....	200	Lautemann and Aguiar	Z. C. [2], 1, 564	**vi.**, 849
β- „	„	„	....	200	Aguiar	B., 5, 376, 904; A., 169, 100	**25**, 700; **26**, 175; **vii.**, 835
α- „	„	„	....	259	„	„	„
Tetranitro-α-naphthol	$C_{10}H_3.OH.(NO_2)_4$	$C_{10}H_4O_9N_4$	....	180	Merz and Weith	B., 15, 2715	**44**, 344
Jambosin	....	$C_{10}H_6O_3N$	....	77	Gerrard	P. J. [3], 14, 717	**48**, 396
Nitro-β-naphthoquinone	$O.O.NO_2=^{\alpha_1\beta_2\alpha_2}$; (?)	$C_{10}H_5O_4N$	....	158	Stenhouse & Groves	A., 194, 203	**33**, 417
„	„ $=^{\alpha_1\beta_1?}$; (?)	„	....	158	Liebermann	B., 14, 1313	
Nitrohydroxynaphthaquinone	$C_{10}H_4(NO_2)(OH):O_2$	$C_{10}H_5O_5N$	....	157 d.	Diehl and Merz	B., 11, 1318	**34**, 888
?-Trinitronaphthalene ...	$C_{10}H_5(NO_2)_3$	$C_{10}H_5O_6N_3$	....	b. 100	Marignac	....	**iv.**, 15
?- „	„	„	....	101–103	Beilstein and Kuhlberg	A., 169, 81	**27**, 160
α- „ ...	„	„	....	122	Aguiar	B., 5, 372, 898	**25**, 700; **26**, 174; **vii.**, 834
γ- „ ..	„	„	....	*147*	Beilstein and Kuhlberg	A., 169, 97; B., 5, 480; 6, 648	**26**, 69, 1138; **27**, 160; **vii.**, 835
γ- „ ..	„	„	....	154	Aguiar	B., 5, 903	**26**, 175
?- „	„	„	....	181	Staedel	A., 217, 153	**44**, 863
β- „ ...	„	„	....	208	Beilstein and Kuhlberg	B., 5, 480	**26**, 69; **vii.**, 835
β- „ ...	„	„	....	210	Laurent	A., 41, 98	**iv.**, 15
β- „	„	„	....	210	Staedel	B., 14, 901	**40**, 724
β- „	„	„	....	210	„	A., 217, 174	**44**, 863
β- „	„	„	....	*213*	Beilstein and Kuhlberg	A., 169, 96; B., 6, 648	**26**, 1138; **27**, 160
β- „	„	„	....	214	Lautemann and Aguiar	Z. C. [2], 1, 564	**vi.**, 848
β- „	„	„	....	215	Laurent	Gm. vii. [1], 87	**iv.**, 15
β- „	„	„	....	218	Aguiar	B., 5, 375, 905	**25**, 700; **26**, 175
Trinitro-α-naphthol	$C_{10}H_4.OH.(NO_2)_3$	$C_{10}H_5O_7N_3$	....	176	Ekstrand	B., 11, 162	**34**, 508
„ -α- „	„	„	....	176	Merz and Weith	B., 10, 1232	**32**, 899
„ -α- „	„	„	....	177	Diehl and Merz	B., 11, 1662	
„ -α- „	....	„	....	177	Bourcart	B., 12, 679	
α-Tetranitronaphthylamine	$C_{10}H_3(NO_2)_4.NH_2$	$C_{10}H_5O_8N_5$	....	194	Merz and Weith	B., 15, 2718	**44**, 344
β-	„	„	....	202	„	B., 15, 2720	„
Pyridine pentacarboxylic acid	$C_5N(COOH)_5$	$C_{10}H_5O_{10}N$	....	d.w.m. 220	Hantzsch	A., 215, 62	**44**, 85
α-isonitroso-β-napthhone	$C_6H_4.CH:CH.C:C.N.O.N$ $=1.2$	$C_{10}H_6ON_2$	....	77; 78	Goldschmidt	B., 17, 216, 803	**46**, 735, 1137

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Pyrocoll	$C_4H_3N.CO.C_4H_3N.CO$	$C_{10}H_6O_2N_2$	....	267	Ciamician and Silber	B., 17, 106; G. I., 13, 563	**46**, 586, 726
"	"	"	....	268–269	Weidel and Ciamician	M. C., 1, 281	**40**, 295
γ-Dinitronaphthalene	$(NO_2)_2=\alpha\beta$;	$C_{10}H_6O_4N_2$	....	*144*	Liebermann	A., 183, 274	**31**, 609
γ- "	" "	"	....	144	Liebermann and Hammerschlag	B., 9, 334	**30**, 81
?- "	" =?	"	....	155–160	Ekstrand	B., 17, 1602	**46**, 1361
?- "	" $=\beta_1$; ?	"	....	161·5	Græbe and Drews	B., 17, 1172	**46**, 1036
β- "	" $=(?)_2$;	"	....	167	Beilstein and Kuhlberg	A., 169, 86	**27**, 159
β- "	" "	"	....	169	Ekstrand	B., 18, 77	**48**, 548
β- "	" "	"	....	170	Beilstein and Kurbatow	A., 202, 224	
β- "	" "	"	....	170	Ekstrand	B., 17, 1602	**46**, 1361
β- "	" "	"	....	170	Darmstädter and Wichelhaus	Z. C. [2], 1, 555	**vi.**, 848
β- "	" "	"	....	*170*	Aguiar	B., 5, 372, 904	**25**, 700; **26**, 175; **vii.**, 834
β- "	" "	"	....	170	Liebermann and Hammerschlag	A., 183, 225; B., 9, 334	**30**, 81; **31**, 609
β- "	" "	"	....	170	Ladenburg	B., 11, 1650	**36**, 232
β- "	" "	"	....	170	Atterberg	B., 9, 1188	
?- "	" "	"	....	185	....	....	**iv.**, 15
α- "	" $=\alpha_1; \alpha_2$	"	....	210	Lautemann and Aguiar	Z. C. [2], 1, 564	**vi.**, 848
α- "	" "	"	....	210	Liebermann	A., 183, 225	**31**, 609
α- "	" "	"	....	211; 212	Beilstein and Kuhlberg	A., 133, 225; 169, 86; Z. C. [2], 7, 211; B., 5, 480	**24**, 694; **26**, 69; **27**, 159; **31**, 600; **vii.**, 835
α- "	" "	"	....	214	Aguiar and Bayer	B., 4, 251	**24**, 356
α- "	" "	"	....	214	Liebermann and Hammerschlag	B., 9, 334	**30**, 81
α- "	" "	"	....	215	Ladenburg	B., 11, 1651	**36**, 232
α- "	" "	"	....	*216*	Aguiar	B., 5, 372, 897	**25**, 700; **26**, 174
α- "	" "	"	....	217	Atterberg	B., 9, 1188	
Nitroquinoline carboxylic acid	$N.COOH=\alpha_1\beta_1$;	"	....	219–220	Döbner and Miller	B., 15, 3076	
Dinitro-α-naphthol (Martius yellow)	$OH.(NO_2)_2=\alpha_1\alpha_2\beta_1$;	$C_{10}H_6O_5N_2$	....	130	Cleve	B. S. [2], 26, 241	**31**, 208
" -α- " "	" "	"	....	137–138	Fuchs	B., 8, 629	
" -α- " "	" "	"	....	137–138	Neville & Winther	....	**37**, 632
" -α- " "	" "	"	....	*138*	Darmstädter and Wichelhaus	A., 152, 299	**vi.**, 856
" -α- " "	" "	"	....	138	Liebermann	A., 183, 249; B., 8, 689	**28**, 1023; **31**, 603
" -α- " "	" "	"	....	138	Ebell	B., 8, 564	**28**, 900
" -α- " "	" "	"	....	138	Martius	Z. C. [1868], 80	
" -β- "	$OH.NO_2$; $NO_2=\beta.?$; β_1	"	....	194	Græbe and Drews	B., 17, 1171	**46**, 1036
" "	" "	"	....	*195*	Wallach and Wichelhaus	B., 3, 846	**24**, 355; **vii.**, 841
" "	" "	"	....	197	Armstrong	B., 15, 203	
Trinitro-α-naphthylamine	$C_{10}H_4(NH_2)(NO_2)_3$	$C_{10}H_6O_6N_4$	....	*264 d.*	Staedel	B., 14, 901	**40**, 724
" -α- "	"	"	....	240–266	"	A., 217, 173	**44**, 863
" -β- "	"	"	cf. A., 217, 174	d. 266	"	B., 14, 901	**40**, 724
Dinitro-β-methylumbelliferone	$(NO_2)_2.(HO).C_6H.CMe\!:\!CH.COO=(?)_2.1.4.5$	$C_{10}H_6O_7N_2$	....	220	Pechmann and Cohen	B., 17, 2137	**46**, 1332
Cinnanyl cyanide	$C_6H_5.CH\!:\!CH.CO.CN$	$C_{10}H_7ON$	....	114–115	Claisen and Antweiler	B., 13, 2124	**40**, 169

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrosonaphthalene	$C_{10}H_7.NO$	$C_{10}H_7ON$	d. 134	84	Baeyer	B., 7, 1640	**28**, 452
„	„	„	....	*89*	„	B., 8, 616	
Hydroxycomazone	....	$C_{10}H_7ON_3$	....	340–360	Krippendorff	J. p. [2], 32, 153	**48**, 1243
Phenylmaleïnimide	CO.CH : CPh.CO.NH (ring)	$C_{10}H_7O_2N$	....	210–211	Perkin	B., 14, 2547	
α-Nitronaphthalene	$C_{10}H_7.NO_2$	„	....	43	Laurent	A., 78, 31	**iv.**, 14; **vii.**, 834
α- „	„	„	....	56·261	Mills	P. R. [1881], 205	
α- „	„	„	....	58	Liebermann	A., 183, 234	**31**, 600
α- „	„	„	....	58	Liebermann and Dittler	B., 7, 245	**27**, 692
α- „	„	„	*304*	....	Koninck and Marquart	B., 5, 12	**25**, 303
α- „	„	„	303–304	58	Jacobson	B., 14, 1793	
α- „	„	„	....	58·5	Beilstein and Kuhlberg	A., 169, 81; Z. C. [2], 7, 211	**24**, 695; **27**, 159
α- „	„	„	....	58·5–59	Guareschi	G. I., 7, 24	**31**, 712
α- „	„	„	....	59	„	A., 222, 262	**46**, 842
α- „	„	„	....	*61*	Aguiar	B., 5, 371	**25**, 699; **vii.**, 834
α- „ (cf. G. I., 14, 181)	„	„	....	61·5	Schiff	A., 223, 247	**46**, 1089
Nitrosonaphthol	$OH.NO_2=\beta_1\alpha_1$;	„	cf. B., 15, 1817	109·5	Stenhouse & Groves	A., 189, 146	**32**, 50
„	„ „	„	cf. B., 17, 801	110	Fuchs	B., 8, 1026	**29**, 248
„	„ $=\alpha_1\beta_1$;	„	cf. B., 8, 689	145–150 d.	„	B., 8, 626	**28**, 1023
„	„ „	„	....	*147–148*	Worms	B., 15, 1816	
„	„ „	„	....	150–152	Ilinski	B., 17, 392	
„	„ „	„	....	152	Goldschmidt	B., 17, 215, 801	
„	„ $=\alpha_1\alpha_2$;	„	....	175–185	Cleve	B. S. [2], 26, 241	**31**, 208
„	„ „	„	cf. B., 8, 689	175–185	Fuchs	B., 8, 627	**28**, 1023
„	„ „	„	....	*190 d.*	Goldschmidt and Schmidt	B., 17, 2065	**48**, 168
„	„ „	„	....	190	Ilinski	B., 17, 2590	
Quinoline carboxylic acid	$N.COOH=\alpha_1\beta_1$;	„	....	*156*	Döbner and Miller	B., 16, 2473	**46**, 185
„ „ „	„ „	„	....	157	Jacobson & Reimer	B., 16, 2605	**46**, 336
„ „ „ (cinchonic)	„ $=\alpha_1\alpha_2$;	„	....	253–254	Forst & Böhringer	B., 15, 520	**42**, 982
„ „ „ ...	„ „	„	....	250 u.c.	Claus and Weller	B., 14, 1922	
„ „ „ ...	„ „	„	....	*256 u.c.*	Skraup	B., 12, 233	**36**, 656
„ „ ...	„ $=\alpha_1\beta_2$;	„	....	271–272	Riedel	B., 16, 1613	**44**, 1152
„ „ ..	„ „	„	....	*273*	Döbner and Miller	B., 18, 1644	
„ „ ...	„ „	„	....	275	Græbe and Caro	B., 13, 101	**38**, 398
„ „	„ $=\alpha_1$; α_1	„	....	*186–187·5*	Schlosser & Skraup	M. C., 2, 530	**42**, 72
„ „	„ „	„	....	185–186	Coste	B., 15, 196	
„ „	„ „	„	....	187	Skraup	B., 15, 893	**42**, 1111
„ „ ...	„ $=\alpha_1$; β_1	„	....	255–257	Fischer and Loo	B., 17, 1901	**46**, 1372
„ „	„ $=\alpha_1$; β_2	„	....	291	Skraup	B., 15, 893	**42**, 1111
„ „ ...	„ „	„	brown 280	*291–292*	Schlosser & Skraup	M. C., 2, 526	**42**, 72
„ „	„ $=\alpha_1$; α_2	„	....	a. 350	Skraup	B., 15, 893	**42**, 1111
„ „	„ „	„	....	*a. 360*	Schlosser & Skraup	M. C., 2, 519	**42**, 71
„ „ ...	„ „	„	....	a. 360	Bedall and Fischer	B., 14, 2574	
Acetylisatin	$C_6H_4.CO.CO.NAc=1.2$ (ring)	$C_{10}H_7O_3N$	....	141	Suida	B., 11, 585	**34**, 586
Phthalylacetamide	$C_6H_4:(CO)_2:CH.CO.NH_2$ $=1.2$	„	....	200 d.	Gabriel & Michael	B., 10, 1556	**34**, 230
Nitronaphthol	$OH.NO_2=\beta_1\alpha_1$;	„	....	96	Stenhouse & Groves	A., 189, 153	**32**, 51; **40**, 736
„	„ „	„	....	100	Dusart	C. R., 52, 1183	**iv.**, 117
„	„ „	„	....	*102–103*	Jacobsen	B., 14, 1792	
„	„ $=\beta_1\beta_2$; (?)	„	....	*103*	„	B., 14, 806	**40**, 736
„	„ $=(?)_2$;	„	....	*116*	Lellmann	B., 17, 112	**46**, 752
„	„ $=\alpha_1\beta_1$;	„	....	127	Fuchs	B., 8, 629	
„	„ „	„	....	*128*	Liebermann and Dittler	B., 7, 243; A., 183, 246	**27**, 692; **31**, 599
„	„ „	„	....	128	Nölting and Wild	B., 18, 1339	
„	„ „	„	....	128	Worms	B., 15, 1815	**44**, 69

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitronaphthol	$OH.NO_2=a_1\beta_1$;	$C_{10}H_7O_3N$	....	128	Liebermann	B., 8, 689	**28**, 1023
„	„ $=a_1$?	„	....	151–152	Darmstädter and Nathan	B., 3, 944	**vii.**, 841
„	„ $=a_1a_2$;	„	....	164	Cleve	B. S. [2], 26, 241	**31**, 208
„	„ „	„	cf. B., 8, 689	*164*	Liebermann and Dittler	B., 7, 243; A., 183, 246	**27**, 692; **31**, 599
„	„ „	„	....	164	Lellmann	B., 17, 113	
„	„ „	„	....	164	Andreoni and Biedermann	B., 6, 343	**26**, 1023
„	„ „	„	....	164	Worms	B., 15, 1814	
„	„ „	„	....	164	Ebell	B., 8, 563	**28**, 900
a-Hydroxycinchonic acid	N.OH.COOH= ?	„	....	254–256 u.c.	Weidel & Cobenzl	M. C., 1, 857	**40**, 743
?- „ „ (Kynuric acid)	„ „	„	....	257–258 p.d.	Kretschy	M. C., 2, 58	**40**, 827
β-Hydroxycinchonic acid	„ „	„	....	320	Weidel	M. C., 2, 571	**42**, 226
Xanthoquinic acid	„ „	„	....	a. 300 p.d.	Skraup	M. C., 2, 587	**42**, 223
β-Carbostyrilcarboxylic acid	„ $=a_1\beta_1\beta_2$;	„	....	a. 320	Friedländer and Gohring	B., 17, 460	**46**, 1020
Jugloxime	$HO.C_{10}H_5O:NOH$	„	....	187–187·5	Bernthsen and Semper	B., 18, 208	**48**, 547
Phthalylglycocine	$C_6H_4:(CO)_2:N.CH_2.CO_2H$ =1.2	$C_{10}H_7O_4N$	....	191–192	Drechsel	J. p., 27, 418	**44**, 1126
Dinitronaphthylamine	$NH_2.(NO_2)_2=a_1a_2\beta_1$;	$C_{10}H_7O_4N_3$	....	233	Ebell	B., 8, 564	**28**, 900; **40**, 1132
„	„ „	„	....	*235*	Liebermann and Hammerschlag	A., 183, 274; B., 9, 333	**30**, 81; **31**, 608
„	„ $=\beta$?; β_1	„	....	238	Græbe and Drews	B., 17, 1172	**46**, 1036
Nitrocinnamylformic acid	$NO_2.(CH:CH.CO.CO_2H)$ =1.2	$C_{10}H_7O_5N$	....	135–136	Baeyer & Drewsen	B., 15, 2862	**44**, 341
Nitrobenzalmalonic acid	$NO_2.[CH:C(CO_2H)_2]$=1.2	$C_{10}H_7O_6N$	....	161 d.	Stuart	....	**47**, 156
„ „	„ =1.3	„	....	205 d.	„	....	**47**, 157
„ „ ...	„ =1.4	„	....	227 d.	„	....	**47**, 158
Nitrocarboxylcinnamic acid	$(CH:CH.CO_2H).NO_2.CO_2H$ =1.2.4	„	....	287 d.	Löw	B., 18, 949	**48**, 799
Picoline tetracarboxylic acid	$C_5NMe(CO_2H)_4$	$C_{10}H_7O_8N$	....	199 d.	Hantzsch	A., 215, 57	**44**, 85
Nitroso-β-amidonaphthalene	$C_{10}H_6.NO.NH_2$	$C_{10}H_8ON_2$	....	150–152	Ilinski	B., 17, 392	**46**, 1035
Nitronaphthylamine....	$NH_2.NO_2=a_1$; a_2	$C_{10}H_8O_2N_2$	....	118–119	Beilstein and Kuhlberg	A., 169, 87; Z. C. [2], 7, 211	**24**, 695; **27**, 160
„	„ $=a_1\beta_1$;	„	....	123–124	Meldola	....	**47**, 520
„	„ $=\beta_1a_1$;	„	cf. A., 211, 64	126–127	Jacobsen	B., 14, 1793	
„	„ „	„	....	126–127	Wittkampf	B., 17, 395	**46**, 1036
„	„ $=a$.?	„	....	144	Lellmann	B., 17, 112	**46**, 751
„	„ $=a_1\beta_1$;	„	....	158–159	Liebermann and Dittler	A., 183, 233; B., 7, 242	**27**, 692; **31**, 600
„	„ $=a_1a_2$;	„	....	190	Lellmann	B., 17, 110–113	**46**, 751
„	„ „	„	....	191	Liebermann and Dittler	A., 183, 233; B., 6, 947; 7, 242	**26**, 1232; **27**, 692; **31**, 599
„	„ „	„	....	191	Cleve	B. S. [2], 26, 241	**31**, 208
„	„ = ?	„	....	198	Lellmann	B., 17, 111	**46**, 751
Diisonitrosonaphthalene dihydride	$C_{10}H_6(NOH)_2=a_1\beta_1$;	„	p.d. 140	149	Goldsdmidt and Schmid	B., 17, 2067	**46**, 1359
Nitrosomethoxyquinoline	N.OMe.NO= ?	„	....	80	Bedall and Fischer	B., 14, 2572	**42**, 413
Nitroquinaldine	N.Me; $NO_2=a_1\beta_1$; a_2 or β_1	„	....	82	Döbner and Miller	B., 17, 1702	**46**, 1373
„	„ $=a_1\beta_1$; a_1	„	....	137	„	B., 17, 1700	„
Nitro-p-toluquinoline	„ = ?	„	....	116–116·5	Fourneaux	B. S., 42, 337	**48**, 400
Methylcinnoline carboxylic acid	$CMe:CH.N_2.C_6H_3.COOH$	„	....	230 p.d.	Widmann	B., 17, 724	**46**, 1022
Nitro-amido-a-naphthol	$OH.NH_2.NO_2=a(?)_2$	$C_{10}H_8O_3N_2$	....	130	Ebell	B., 8, 564	**28**, 900
Nitromethylcarbostyril	....	„	....	181	Feer and Königs	B., 18, 2397	**48**, 1235
Nitrophenylsuccinimide	$NO_2.C_6H_4.N.CO.(CH_2)_2.CO$ =1.2	$C_{10}H_8O_4N_2$	....	137	Taylor	A., 209, 374	**42**, 181

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrophenylsuccinimide	$NO_2.C_6H_4.N.CO.(CH_2)_2CO$ =1.2	$C_{10}H_8O_4N_2$	....	*156*	Taylor	B., 8, 1225	**29**, 602
"	" =1.4	"	....	208	"	B., 8, 1225; A., 209, 375	**29**, 602; **42**, 181
Nitroso-amido-β-methyl umbelliferone	fr. $C_6H_2(OH)(NH_2).CMe:CH.COO$=1.?.4.5	"	....	140	Pechmann & Cohen	B., 17, 2138	**46**, 1332
Harminic acid	....	"	darkens 300	345 d.	Fischer & Täuber	B., 18, 403	**48**, 820
Methylic dinitrocinnamate	$NO_2.[CH:C(NO_2).CO_2Me]$ =1.4	$C_{10}H_8O_6N_2$	....	127	Friedländer and Mähly	A., 229, 210; B., 16, 850	**48**, 1137
" "	....	"	....	104	Friedländer	B., 14, 2577	**42**, 402
Methoxydinitrocinnamic acid	$(CH:CH.CO_2H).OMe.(NO_2)_2$ =1.2.(?)$_2$	$C_{10}H_8O_7N_2$	....	192–193	Perkin	....	**39**, 417
Dinitrodiacetylhydroquinone	$(OAc)_2.(NO_2)_2$=1.4.(?)$_2$	$C_{10}H_8O_8N_2$	....	*94*	Hesse	A., 200, 246	**38**, 317
"	" "	"	cf. A., 215, 143	96	Nietzki	B., 11, 470	
Ethylic dinitrophthalate	$CO_2Et.CO_2H.(NO_2)_2$=1.2.3.5 or =1.2.4.6	"	cf. A., 202, 227	186–187	Beilstein and Kurbatow	B., 13, 354; B. S. [2], 34, 327	**38**, 478; **40**, 436
Phenyl α-hydroxycrotononitril	Ph.CH:CH.CH(OH).CN	$C_{10}H_9ON$	....	75	Peine	B., 17, 2113	**46**, 1344
" "	"	"	....	*80–81*	Pinner	B., 17, 2010	**46**, 1292
Acetamidophenylacetylene	$C_6H_4(NHAc).C:CH$=1.2	"	....	75	Baeyer & Landsberg	B., 15, 60	**42**, 623
Acetylindole	$C_6H_4.CH_2.CAc:N$=1.2	"	....	182–183	Baeyer	B., 12, 1314	**36**, 938
Methoxyquinoline (methylcarbostyril)	N.OMe=$\alpha_1\beta_1$;	"	....	246–247 u.c.	Friedländer and Ostermeier	B., 15, 336	**42**, 733
"	" =α_1; α_1	"	265–268 u.c.	Liquid	Skraup	M. C., 3, 544	**44**, 91
"	" "	"	....	Liquid	Bedall and Fischer	B., 14, 2570	**42**, 412
"	" =α_1; β_1 or α_2	"	275 (720) p.d.	Liquid	Fischer	B., 15, 1980	**44**, 91
"	" =α_1; β_2	"	....	Liquid	Skraup	M. C., 3, 557	"
Hydroxymethylquinoline	N.Me.OH=$\alpha_1\beta_1\alpha_2$;	"	distils	*222*	Knorr	B., 16, 2596	**48**, 334
"	" "	"	....	222	....	D. P., 250, 533	**46**, 757
" (Hydroxymethylquinaldine)	" =$\alpha_1\beta_1$; α_1	"	266–267	74	Döbner and Miller	B., 17, 1706; D. P., 256, 134	**46**, 1374; **48**, 945
" "	" =$\alpha_1\beta_1$; β_2	"	....	213	"	"	"
" "	" =$\alpha_1\beta_1$; β_1 or α_2(?)	"	....	230	"	D. P., 256, 134	**48**, 945
" "	" "	"	cf. 220	*232–234*	"	B., 17, 1709	**48**, 1375
Hydroxymethylquinoline	" =α_1; $\alpha_1\beta_1$(?)	"	....	92–93	Herzfeld	B., 17, 906	**46**, 1199
"	" =α_1; $\beta_2\alpha_1$	"	....	94–96	"	B., 17, 905	"
"	" "	"	....	95–96	Fischer & Willmack	B., 17, 441	**48**, 1051
"	" "	"	....	*95–96*	Herzfeld	B., 17, 1552	**48**, 1199
"	" =α_1; $\alpha_1\beta_2$	"	....	220	"	B., 17, 903	"
"	" =α_1; $\alpha_1\alpha_2$	"	....	*245–248 p.d.*	"	B., 17, 1551	"
"	" "	"	....	a. 260	"	B., 17, 903	"
? (base)	....	"	280 d.	....	....	J. R., 11, 322	
Cinnamylformamide....	Ph.CH:CH.CO.CO.NH_2	$C_{10}H_9O_2N$	....	129–130	Claisen & Antweiler	B., 13, 2124	**40**, 169
Phenyl succinimide (cf. A., 68, 27; 162, 166)	Ph.N.CO.$(CH_2)_2$.CO	"	abt. 400	150	Taylor	A., 209, 373	
Ethylic cyanbenzoate	CN.COOEt=1.4	"	....	54	Müller	B., 18, 2485	**48**, 1227
Ethylphthalimide	C_6H_4.CO.NEt.CO=1.2	"	276–278	*78·5*	Wallach and Kemenski	B., 14, 171	**40**, 285
"	" "	"	cf. A., 215, 194	78–79	Michael	B., 10, 1644	**34**, 70
Acetyl oxindole	C_6H_4.CHAc.CO.NH=1.2	"	....	126	Suida	B., 12, 1327	**36**, 937
" "	" "	"	....	130	"	B., 11, 587	**34**, 587
Ethylpseudisatine	C_6H_4.CO.CO.NEt=1.2	"	...	95	Baeyer	B., 16, 2194	**46**, 75
Ethylisatine	C_6H_4.CO.C(OEt):N=1.2	"	....	137	Paucksch	B., 17, 2806	**48**, 256
Skatole carboxylic acid	C_9H_8N.COOH	"	....	161 d.	Salkowski	B., 13, 193	
" " "	"	"	....	*164*	"	B., 13, 2218; Z. P. C., 9, 8	**40**, 175; **48**, 569
?	....	"	....	206	Fischer & Jourdan	B., 16, 2245	**48**, 53
?-acid	Ph.N.N:CMe.N:C.CO_2H	$C_{10}H_9O_2N_3$	....	176–177	Bladin	B., 18, 1547	**48**, 980

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Isonitrosomethyloxyquinizine	C_6H_4.N.NH.CMe.C(N.OH).CO=1.2	$C_{10}H_9O_2N_3$	sb. b. 100	157	Knorr	B., 17, 2042	**46**, 1378
Phenylmalimide	Ph.N.CO.CH_2.CH(OH).CO	$C_{10}H_9O_3N$	....	170	Arppe	A., 96, 109	iii., 798
Isonitrosobenzoylacetone	Ph.CO.C(NOH).CO.Me	"	....	123·5–124	Ceresole	B, 17, 815	**46**, 1168
Nitrocinnamyl methylketone	NO_2.(CH : CH.COMe)=1.2	"	....	58–59	Baeyer & Drewsen	B., 15, 2858	**44**, 341
" "	" "	"	....	60	Fischer and Kuzel	B., 16, 36	
" "	" =1.4	"	....	110	Baeyer and Becker	B., 16, 1969	**44**, 1120
Ethylphthalylhydroxylamine	C_6H_4.CO.N(OEt).CO=1.2	"	270 p.d.	103–104 u.c.	Cohn	A., 205, 295	**40**, 586
Acetyldioxindole	fr. C_6H_4.CH(OH).CO.NH =1.2	"	....	127	Suida	B., 12, 1327	**36**, 937
Amido-β-methylumbelliferone	$C_6H_2(NH_2)$(OH).CMe : CH.COO=?.1.4.5	"	....	247	Pechmann & Cohen	B., 17, 2138	**46**, 1332
Nitroacetamido-α-toluic nitril	NHAc.NO_2.(CH_2.CN)=1.2.4	$C_{10}H_9O_3N_3$	....	112–113	Gabriel	B., 15, 836	**42**, 1070
Isonitrosomethyldioxyquinizine	C_6H_4.N.N(OH).CMe.C(NOH).CO=1.2	"	....	135	Knorr	B., 17, 2042	**46**, 1379
Phenyltartarimide	Ph.N.CO.(CH.OH)$_2$.CO	$C_{10}H_9O_4N$	....	230 d.	Arppe	A., 93, 354	
Nitrobenzoylacetone	NO_2.(CO.CH_2.COMe)=1.2	"	...	55	Gevekoht	A., 221, 323	**46**, 445
Methylic nitrocinnamate	NO_2.(CH : CH.CO_2Me)=1.2	"	....	72–73	Beilstein and Kuhlberg	A., 163, 131; Z. C., 7, 616	**25**, 710
" "	" =1.4	"	200	161	Kopp	C. R., 53, 636	i., 988
" "	" "	"	281–286	161	"	J. [1861], 420	
Acetylisatic acid	NHAc.(CO.CO_2H)=1.2	"	....	160	Suida	B., 11, 586	**34**, 586
Nitropropenylbenzoic acid	CO_2H.NO_2.(CMe : CH_2)=1.3.4	"	....	154–155	Widmann	B., 15, 2552	**44**, 330
Nitrosobenzylmalonic acid	Ph.CH_2.ON : C(CO_2H)$_2$	$C_{10}H_9O_6N$	cf. B., 16, 609	120 d.	Conrad and Bischoff	A., 209, 217	**42**, 39
Nitromethoxycinnamic acid	(CH : CH.CO_2H).OMe.NO_2=1.2.5	"	....	238	Schnell	B., 17, 1383	**48**, 1165
Acetamidoisophthalic acid	(CO_2H).NHAc.=1.3.?	"	....	270–280 d.	Hofmann	B., 9, 1301	**31**, 90
Nitrophenylazo-acetoacetic acid	NO_2.(N_2.CHAc.CO_2H)=1.2	$C_{10}H_9O_5N_3$	black 183	185	Bamberger	B., 17, 2417	**46**, 557
Nitroacetamidonitrocinnamene	(CH : CH.NO_2).NHAc.NO_2=1.4.?	"	....	250–252	Friedländer and Lazarus	A., 229, 233	**48**, 1139
Dinitroacetamidocinnamene	(CH : CH_2).NHAc.(NO_2)$_2$=1.4.(?)$_2$	"	....	211–212	Gabriel & Herzberg	B., 16, 2041	**44**, 1123
"	" "	"	....	211–212	Herzberg	C. C. [1884], 35	**46**, 662
Dimethylic nitroisophthalate	(CO_2Me)$_2$.NO_2=1.3.5	$C_{10}H_9O_6N$	....	121·5	Beyer	J. p. [2], 25, 490	**42**, 1294
Ethylic nitrophthalate	(CO_2Et).(CO_2H).NO_2=1.2.3 or 6	"	A., 160, 60	110·5	Miller	A., 208, 244	
" "	" =1.2.4 or 5	"	....	127–128	"	A., 208, 234	
Lutidine tricarboxylic acid....	C_7H_6N.(CO_2H)$_3$	"	....	212 d.	Hantzsch	A., 215, 52	**44**, 85
Nitromeconin....	....	"	....	159–160	Anderson	A., 98, 47	iii., 863
Methoxycinnamic acid diazonitrate	(CH : CH.CO_2H).OMe.(N : N.NO_3)=1.2.5	$C_{10}H_9O_6N_3$	....	d. 151–152	Schnell	B., 17, 1385	**46**, 1165
Nitroacetoisovanillic acid	CO_2H.OAc.OMe.NO_2=1.3.4.6	$C_{10}H_9O_7N$	....	168–169	Matsmoto	B., 11, 133	**34**, 501
Nitroacetovanillic acid	" =1.4.3.?	"	....	181–182 p.d.	Tiemann and Matsmoto	B., 9, 943	**30**, 525
" "	" "	"	....	181–182 d.	Matsmoto	B., 11, 133	
Nitro-opianic acid	CO_2H.(OMe)$_2$.COH.NO_2=?	"	....	166	Prinz	J. p. [2], 24, 357	**42**, 402
" "	" =?	"	....	248–249	Wegscheider	M. C., 4, 262	**44**, 998
Nitrohemipinic acid	(CO_2H)$_2$.(OMe)$_2$.NO_2=1.2.3.4.?	$C_{10}H_9O_8N$	....	155	Prinz	J. p. [2], 24, 359	**42**, 402
Benzenylazoximpropenyl	Ph.C : N.O.CEt : N	$C_{10}H_{10}ON_2$	255	L. 10	Schulz	B., 18, 1085	**48**, 897

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenylethenylazoxime-ethenyl	Ph.CH$_2$.C : N.O.CMe : N	$C_{10}H_{10}ON_2$	262	Liquid	Knudsen	B., 18, 1071	48, 898
Acetamido-α-toluic nitril	NHAc.(CH$_2$.CN)=1.4	„	....	95–97	Gabriel	B., 15, 835	42, 1070
Acetamido-α- (or β-) phenyl-amphinitril	NHAc.C$_6$H$_4$.C$_2$H$_2$N=1.4	„	....	97	Friedländer and Mähly	B., 16, 1024	
Amidomethylcarbostyril	N.OH=α$_1$ β$_1$;	„	....	103	Feer and Königs	B., 18, 2397	48, 1235
Methylhydroxytoluquin-oxaline	C$_6$H$_3$Me.N : CMe.C(OH) : N =1.3.4	„	....	220 p.d.	Hinsberg	B., 17, 322	46, 1053
Fr. phenylhydrazine.... ...	....	„	....	127	Knorr	B., 16, 2597	46, 302
?	....	„	....	195–197	....	G. I., 12, 31	
Phenylhydroxyethenylazoxi-methenyl	HO.CHPh.C : N.O.CMe.N	$C_{10}H_{10}O_2N_2$	....	65	Gross	B., 18, 1076	48, 898
Tolylhydantoïn	Me.(N.CO.NH.CO.CH$_2$)=1.2	„	....	176	Ehrlich	B., 16, 743	44, 1106
„	„ =1.4	„	....	210	Schwebel	B., 11, 1128	34, 798
Ethylindoxylnitrosamine	C$_6$H$_4$.C(OEt) : CH.N.NO =1.2	„	....	84–85	Baeyer	B., 15, 781	42, 1102
Ethylnitrosoindoxyl	C$_6$H$_4$.C(OEt) : C(NO).NH =1.2	„	....	135	„	B., 15, 784	
Ethylisatoxime	C$_6$H$_4$.C(NOEt).C(OH) : N =1.2	„	....	138	Baeyer and Comstock	B., 16, 1707	44, 1131
Ethylpseudoisatin-β-oxime	C$_6$H$_4$.C(NOH).CO.NEt=1.2	„	....	160–162	Baeyer	B., 16, 2196	46, 75
Ethoxycyanamidobenzoyl	C$_7$H$_5$(CN)NO.OEt	„	....	173	Griess	B., 2, 416	
m-nitrocuminonitril	CN.Pr.NO$_2$=?	„	....	71	Czumpelik	B., 2, 183	
Azobenzene acetacetic acid	Ph.N$_2$.CHAc.CO$_2$H	$C_{10}H_{10}O_3N_2$	....	154–155	Meyer	B., 10, 2076	34, 396
„ „ „	„	„	....	154–155	Züblin	B., 11, 1419	34, 880
Phenyl di-isonitrosopropyl ketone	Ph.CO.(C.NOH)$_2$.CH$_3$ (?)	„	....	115 d.	Ceresole	B., 17, 816	46, 1168
Phenyl di-isonitrosoethyl-methyl ketone	Me.CO.(C.NOH)$_2$.Ph (?)	„	....	178–179 d.	„	„	„
Nitrosotetrahydrocinchoninic acid	....	„	....	137	Weidel	M. C., 3, 73	42, 533
Hydantoïn of tyrosine	....	„	....	275–280 d.	....	Z. P. C., 6, 254	
Ethylic oxalnitranilate	NO$_2$.(NH.CO.CO$_2$Et)=1.2	$C_{10}H_{10}O_5N_2$	....	112	Hübner	A., 209, 368	42, 180
Ethylic nitrophenylisonitro-soacetate	NO$_2$.[C(NOH).CO$_2$Et]=1.2	„	....	163	Gabriel and Meyer	B., 14, 826	40, 730
„ „	„ „	„	....	163–163·5	Gabriel	B., 16, 519	44, 920
Ethylic dinitro-α-toluate	(CH$_2$.CO$_2$Et).(NO$_2$)$_2$=1.2.4	$C_{10}H_{10}O_6N_2$	....	35	Gabriel and Meyer	B., 14, 824	
Dinitrocuminic acid	CO$_2$H.Pr.(NO$_2$)$_2$	„	cf. A., 69, 244	220	Lippmann and Strecker	B., 12, 79	
Dinitrodurylic acid	Me$_3$.NO$_2$.CO$_2$H=1.2.4.3.6.5	„	....	205	Gissmann	A., 216, 207	44, 334
Diacetdiamidodinitrobenzene	N$_2$H$_2$Ac$_2$.(NO$_2$)$_2$=?	$C_{10}H_{10}O_6N_4$	....	245–246	Norton and Elliot	B., 11, 328	34, 417
„	(NHAc$_2$).(NO$_2$)$_2$=1.4.(?)$_2$	„	....	258	Biedermann and Ledoux	B., 7, 1532	
Ethylic dinitromethoxy-benzoate	CO$_2$Et.OMe.(NO$_2$)$_2$=1.2.(?)$_2$	$C_{10}H_{10}O_7N_2$	....	47	Salkowski	A., 173, 50	26, 72
„ „	=1.4.(?)$_2$		....	79	„	A., 163, 59	
Methylic dinitroethoxyben-zoate	CO$_2$Me.OEt.(NO$_2$)$_2$=1.2.(?)$_2$	„	....	80	„	A., 173, 43 ; B., 4, 872	vii., 336 26, 71
Methylic dinitrohydroxy-phenylpropionate	OH.(NO$_2$)$_2$.(CH$_2$.CH$_2$.CO$_2$Me)=1.2.6.4	„	....	87	Stöhr	A., 225, 57	46, 1350
Dinitromethoxyphenylpro-pionic acid	OMe.(NO$_2$)$_2$.(CH$_2$.CH$_2$.CO$_2$H) =1.2.6.4	„	....	124	„	„	„
Benzoyltrimethyleneoxime ...	Ph.C(NOH).CH.CH$_2$.CH$_2$	$C_{10}H_{11}ON$	....	86–87	Perkin	B., 17, 1442	44, 1155 ; 47, 845
Benzoylacetonamine....	....	„	....	143	Fischer and Bülow	B., 18, 2134	48, 1237
Mesitylcarbimide	Me$_3$.(N : CO)=1.3.5.6	„	218–220	Liquid	Eisenberg	B., 15, 1016	42, 956
Carbomesyl	C$_6$H$_2$Me.CH$_2$.CO.NH=1.3.5.6	„	....	231–232	Wispek	B., 16, 1580	44, 1096

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diacetanilide	Ph.NAc$_2$	$C_{10}H_{11}O_2N$	....	111	Hofmann	B., 3, 771	**24**, 140; **vii.**, 946
Benzoylacetoxime	Ph.CO.ON : CMe$_2$	"	....	41–42	Janny	B., 16, 172	**44**, 581
Benzylic iso-nitrosoacetone	CH$_3$.CO.CH : N.O.CH$_2$Ph	"	....	45–46	Meyer and Ceresole	B., 15, 3072	**44**, 572
" "	"	"	244 u. c.	....	Ceresole	B., 16, 835	
Phenylisonitroethylmethyl ketone	CH$_3$.CO.CH$_2$.C(NOH).Ph (?)	"	....	65·5–66	"	B., 17, 813	**46**, 1167
Benzylisonitrosoacetone ...	Ph.CH$_2$.C(NOH).CO.CH$_3$	"	....	*80–81*	"	B., 15, 1876	**44**, 41
" " ...	"	"	....	81	Meyer and Ceresole	B., 15, 3072	**44**, 572
Anilacetoacetic acid	Ph.N : CMe.CH$_2$.CO$_2$H	"	....	81	Knorr	B., 16, 2595	**46**, 334
Phenylacetimido-acetate	Ph.CH$_2$.C(OAc.) : NH	"	....	129	Luekenbach	B., 17, 1423	**46**, 1134
Acetamido-acetophenone ...	NHAc.(CO.Me)=1.2	"	....	76–77	Gevekoht	B., 15, 2086	
" "	" "	"	....	*76*	Baeyer and Bloem	B., 15, 2155	**44**, 198
Methoxycinnamide	OMe.(CH:CH.CO.NH$_2$)=1.4	"	....	186	Perkin	J. [1877], 792	**31**, 411
" "	" =1.2	"	....	191–192	"	J. [1877], 793	**31**, 415, 421
Amidopropenylbenzoic acid	COOH.C$_3$H$_5$.NH$_2$=1.4.5	"	....	93–94	Widmann	B., 16, 2573	**46**, 317
Tetrahydroquinoline carboxylic acid	N.COOH=a_1 ; β_1 or a_2	"	....	146–147	Fischer and Körner	B., 17, 766	**46**, 1197
?	....	"	310 p. d.	66	Bruyn	R. T., 2, 205	**48**, 657
Dimethylic phenylisonitroso-acetate	Ph.C(NOMe).CO$_2$Me	$C_{10}H_{11}O_3N$	....	55–56	Müller	B., 16, 2987	**46**, 584
Ethylic phenylisonitroso-acetate	Ph.C(NOH).CO$_2$Et	"	....	112–113	Gabriel	B., 16, 519	**44**, 920
Ethylic phenyloxamate	NHPh.CO.CO$_2$Et	"	cf. B., 4, 600	64·5–65	Klinger	B., 8, 310	**28**, 1025
" "	"	"	*260–300 p.d.*	66–67	"	A., 184, 263	**31**, 710
Methylic hippurate	Ph.CO.NH.CH$_2$.CO$_2$Me	"	....	60	Jacquemin and Schlagdenhauffen	C. R., 45, 1011	**iii.**, 162
" "	"	"	d.	*80·5*	Conrad	J. p. [2], 15, 247	**32**, 484
" "	"	"	....	80·5	Campani & Bizzarri	G. I., 10, 257	**38**, 870
Benzoylethylcarbamic acid	Ph.CO.NEt.CO$_2$H	"	....	110	Lössner	J. p. [2], 10, 254	**28**, 641
Benzoyllactamide	CH$_3$.CH(OBz).CO.NH$_2$	"	....	124	Wislicenus	A., 133, 281	**vi.**, 772
Phenaceturic acid	Ph.CH$_2$.CO.NH.CH$_2$.CO$_2$H	"	....	143	Salkowski	B., 12, 654	**36**, 662
Acetylphenamido-acetic acid	Ph.NAc.CH$_2$.CO$_2$H	"	....	185–186	Giacosa	Z. P. C., 8, 95	**46**, 1061
Phenylsuccinanamic acid	NHPh.CO.(CH$_2$)$_2$.CO$_2$H	"	....	148·5	Menschutkin	A., 162, 176	**25**, 496
Acetoxyacetanilide	OAc.NHAc=1.4	"	....	150–151	Ladenburg	B., 9, 1529	**31**, 305
Acetamido-a-toluic acid	NHAc.(CH$_2$.CO$_2$H)=1.2	"	....	142 d.	Suida	B., 12, 1328	
" " "	" =1.4	"	....	168–170	Gabriel	B., 15, 841	
Malontoluidic acid	Me.(NH.CO.CH$_2$.CO$_2$H)=1.4	"	....	156 d.	Rugheimer and Hoffmann	B., 17, 740	**46**, 1023
Dimethamidobenzoylformic acid	NMe$_2$.(CO.CO$_2$H)=1.4	"	....	187	Michler and Hanhardt	B., 10, 2081	**34**, 421
p-toluric acid	(C$_2$H$_2$O).NH.C$_7$H$_7$.CO$_2$H	"	....	160–165	Kraut	A., 98, 360	**v.**, 869
Nitro-cuminic aldehyde	COH.Pr$^\beta$.NO$_2$=1.4.6	"	....	Liquid	Einhorn and Hess	B., 17, 2019	**46**, 1352
" "	COH.Pr.NO$_2$=1.4.5	"	....	54	Lippmann and Strecker	B., 12, 76	**36**, 464; **38**, 251
" "	" "	"	....	54	Widmann	B., 15, 167	**42**, 727
Amidomethoxycinnamic acid	(CH : CH.CO$_2$H).OMe.NH$_2$ =1.2.5	"	....	189	Schnell	B., 17, 1384	**46**, 1165
Hippuryl carbamide....	NHBz.CH$_2$.CO.NH.CO.NH$_2$	$C_{10}H_{11}O_3N_3$	....	216 d.	Curtius	B., 16, 757	**44**, 1088
Amidophenylazoacetacetic acid	NH$_2$.(N$_2$.CHAc.CO$_2$H)=1.2	"	....	157 d.	Bamberger	B., 17, 2420	**48**, 157
Nitrotolylazoacetone	Me.NO$_2$.(N$_2$.CH$_2$.CO.Me) =1.3.4	"	....	134–134·5	"	B., 17, 2421	**48**, 158
Phenylmalamic acid....	NHPh.CO.CH(OH).CH$_2$ CO$_2$H	$C_{10}H_{11}O_4N$	....	145	Arppe	A., 96, 106	**iii.**, 798
Nitro-β-phenyl lactylmethyl ketone	NO$_2$.[CH(OH).CH$_2$.COMe] =1.4	"	....	58	Baeyer and Becker	B., 16, 1969	**44**, 1120
" "	" =1·2	"	....	68–69	Baeyer & Drewsen	B., 15, 2857	**44**, 341
Ethylic nitro-a-toluate	NO$_2$.(CH$_2$.CO$_2$Et)=1.4	"	....	62–64	Bedson	....	**37**, 92
" "	" "	"	cf. B., 2, 209	*64*	Radziszewski	Z. C. [2], 5, 358	**vi.**, 1102
" "	" "	"	....	65·5–66	Maxwell	B., 12, 1767	**38**, 120
Acetylhydrindic acid	NHAc.[CH(OH).CO$_2$H]=1.2	"	....	142	Suida	B., 11, 586	**34**, 586

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Urethanebenzoic acid	$CO_2H.(NH.CO_2Et)=1.3$	$C_{10}H_{11}O_4N$	cf. B., 11, 701	189	Griess	B., 9, 796	**30**, 413
Dimethylic amidoisophthalate	$(CO_2Me)_2.NH_2=1.3.5$	”	....	176	Beyer	J. p. [2], 25, 504	**42**, 1296
Ethylic p-nitrotoluate	$(CO_2Et).Me.NO_2=?$	”	....	55	Beilstein & Kreusler	A., 144, 174	
Nitrotolylpropionic acid ...	$Me.NO_2.[(CH_2)_2.CO_2H]=1.2.5$	”	......	130–136	Effront	B., 17, 2328	**48**, 152
Propylnitrobenzoic „	$CO_2H.Pr^{a}.NO_2=1.4.?$	”	....	113	Körner	A., 216, 230	
Isopropylnitrobenzoic acid	$CO_2H.Pr^{\beta}.NO_2=1.4.5$	”	....	157	Paterno and Fileti	G. I., 5, 383	**29**, 595
” ”	” ”	”	....	157–158	Widmann	B., 15, 2548	
” ”	” ”	”	....	158 u. c.	Lippmann and Strecker	B., 12, 78; W. A., 78, 570	**36**, 464; **38**, 251
” ”	” ”	”	...	158	Lippmann & Lange	B., 13, 1661	**40**, 276
Nitroeugenol	$C_3H_5.OMe.OH.NO_2=1.3.4.5$	”	....	43–44	Weselsky & Benedikt	M. C., 3, 388	**42**, 1201
Nitroxylylacetic acid ...	$Me_2.NO_2.(CH_2.CO_2H)=1.3.4.5$	”	....	139	Wispek	B., 16, 1579	**44**, 1096
Nitrodiacetdiamidobenzene...	$(NHAc)_2.NO_2=1.4.5$	$C_{10}H_{11}O_4N_3$	....	184	Biedermann and Ledoux	B., 7, 1533	
” ”	” ”	”	....	186	Ladenburg	B., 17, 148	**46**, 738
” ”	$=1.3.?$	”	....	246	Barbaglia	B., 7, 1258	**26**, 273
Dinitromethylhydroquinoline	$C_9H_8NMe(NO_2)_2$	”	....	148	Feer and Königs	B., 18, 2390	**48**, 1245
Phenyltartaramic acid	$NHPh.CO.(CH.OH)_2.CO_2H$	$C_{10}H_{11}O_5N$	....	180 d.	Arppe	A., 93, 355	
Ethylic nitromandelate	$NO_2.[CH(OH).CO_2Et]=1.3$	”	....	63	Beyer	J. p. [2], 31, 382	**48**, 983
Methylic nitrophenyl β-lactate	$NO_2.[CH(OH).CH_2.CO_2Me]=1.2$	”	....	50–51	Einhorn and Prausnitz	B., 17, 1660	**46**, 1351
” ” ”	” ”	”	....	*51*	Einhorn	B., 16, 2214	**46**, 66
” ” ”	” $=1.4$	”	....	*72–74*	Basler	B., 16, 3007	**46**, 604
” ” ”	” ”	”	....	73–74	Einhorn and Prausnitz	B., 17, 1661	**48**, 1351
Ethylic nitranisate	$NO_2.OMe.CO_2Et=?.1.4$	”	....	98–100	Cahours	A. C. [3], 14, 492	**i.**, 302
Methylic nitrohydro-p-coumarate	$NO_2.OH.(CH_2.CH_2.CO_2Me)=?.1.4$	”	....	64	Stöhr	A., 225, 57	**46**, 1350
Nitrohydroxyisopropylbenzoic acid	$NO_2.(CMe_2.OH).CO_2H=5.4.1$	”	....	190–191	Widmann	B., 15, 2549	**44**, 330
Ethoxynitrotoluic acid	$CO_2Et.Me.OEt.NO_2=1.4.2.?$	”	....	161–162	Paterno & Canzoneri	G. I., 9, 455	**38**, 247
Ethylic acetylcomenamate	$C_5H_2N.OH.OAc.CO_2Et$	”	fr. pyridine	152	Ost	J. p. [2], 29, 57	**48**, 49
?	$NO_2.[C(NH_2):N.O.CO_2Et]=1.3$	$C_{10}H_{11}O_5N_3$	....	152–153	Schöpff	B., 18, 1066	**48**, 896
Methylic nitro-dimethylprotocatechuate	$CO_2Me.(OMe)_2.NO_2=1.3.4.?$	$C_{10}H_{11}O_6N$	....	127–128	Matsmoto	B., 11, 134	**34**, 502
Methylic nitroveratrate ...	” ”	”	....	143–144	”	B., 11, 132	**34**, 501
„ dinitro-amidohydrocinnamate	$NH_2.(NO_2)_2.(CH_2.CH_2.CO_2Me)=1.2.6.4$	$C_{10}H_{11}O_6N_3$	....	102	Stöhr	A., 225, 57	**46**, 1350
Trinitroisocymene	$Pr^{\beta}.Me.(NO_2)_3=1.3.(?)_3$	”	....	72–73	Kelbe	A., 210, 54	**42**, 301
Trinitrocymene	$Pr^{a}.Me.(NO_2)_3=1.4.(?)_3$	”	....	119	Fittig and others	A., 145, 142	
Trinitroethylxylene	$Me_2.Et.(NO_2)_3=\ ?$	”	....	119	Fittig and Ernst	A., 139, 194	**v.**, 1058
” ”	” ”	”	....	119	Rommier	B. S. [2], 19, 434	**26**, 888
” ”	” $=1.3.5.2.4.6$	”	....	238	Jacobsen	B., 7, 1430	**28**, 259
Trinitrothymol	$Pr^{a}.Me.OH.(NO_2)_3=1.4$	$C_{10}H_{11}O_7N_3$	....	111	Lallemand	A. C. [3], 49, 153	**v.**, 795
Trinitrodiethoxybenzene ...	$(OEt)_2.(NO_2)_3=1.3.(?)_3$	$C_{10}H_{11}O_8N_3$	....	120·5	Stenhouse	A., 141, 227	
” ”	” $=1.4.2.3.5$	”	....	130	Nietzki	A., 215, 153	**44**, 466
” ”	” ”	”	...	*133*	”	B., 11, 1448	**34**, 867
Phenylallylcarbamide	$CO.N_2H_2Ph(C_3H_5)$	$C_{10}H_{12}ON_2$	....	96–97	Maly	Z. C. [2], 5, 263	**vi.**, 1089
α-phenylhydrazidoisobutyric anhydride	$\underbrace{Ph.N.CMe_2.CO.NH}$	”	...	175	Reissert	B., 17, 1459	**46**, 1153
Toluene azoacetone	$Me.(N_2.CH_2.COMe)=1.4$	”	....	114–115	Richter & Münzer	B., 17, 1928	**46**, 1342
Tetrahydroquinoline carbamide	$C_9H_{10}N.CO.NH_2$	”	....	146·5	Hoffmann and Königs	B., 16, 733	**44**, 1144
Methylphenylhydrazinepyroracemic acid	$Ph.NMe.N:CMe.CO_2H$	$C_{10}H_{12}O_2N_2$	....	78; sf. 70	Fisher and Jourdan	B., 16, 2245	**46**, 53
Propionylbenzenylamidoxime	$NH_2.CPh:NO.CO.Et$	”	....	93	Schulz	B., 18, 1084	**48**, 897
Ethylphenylhydrazineglyoxylic acid	$N_2EtPh:CH.CO_2H$	”	....	121 d.	Elbers	A., 227, 340	**48**, 535

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetylphenylethenylamidoxime	Ph.CH_2.C(NH_2) : NOAc	$C_{10}H_{12}O_2N_2$	....	124	Knudsen	B., 18, 1070	48, 897
Phenylpropionylcarbamide	NHPh.CO.NH.C_3H_5O	"	....	137	Kühn	B., 17, 2882	48, 260
Ethylbenzoylcarbamide	NHEt.CO.NHBz	"	....	168	Leuckart	J. p. [2], 21, 33	
"	"	"	....	192	Miquel	A. C. [5], 11, 318	32, 870
Ethylphenyloxamide	NHEt.CO.CO.NHPh	"	....	169	Wallach and West	B., 9, 263	30, 184
"	"	"	cf. B., 14, 740	169–170	Wallach	A., 184, 66	32, 186
Phenylsuccinamide	NH_2.CO.(CH_2)$_2$.CO.NHPh	"	....	181	Menschutkin	A., 162, 182	25, 497; vii., 1103
Methylbenzylacetoximic acid	HON : CMe.C(CH_2Ph) : NOH	"	....	180–181	Schramm	B., 16, 181	44, 590
Isophthalimido methyl ether	C_6H_4[C(OMe) : NH]$_2$=1.3	"	....	59–62	Luckenbach	B., 17, 1432	46, 1158
Methylnitrosomethylacetamidobenzene	NHAc.(CHMe.NO)=1.2	"	....	109	Gabriel and Meyer	B., 14, 2340	42, 189
Diacetdiamidobenzene	(NHAc)$_2$=1.3	"	....	189	Kelbe	B., 16, 1200	44, 916
"	" "	"	....	*191*	Barbaglia	B., 7, 1257	26, 273
"	" =1.4	"	....	a. 295	Ledoux	B., 7, 1531	
Xylenedicarboxylamide	(CH_2.CO.NH_2)$_2$=1.4	"	....	a. 290	Klippert	B., 9, 1768	31, 468
Nitrosotetrahydromethoxyquinoline	N.OH=a_1; a_1	"	....	80	Bedall and Fischer	B., 14, 2572	
Nitromethylhydroquinoline	C_9H_9NMe.NO_2	"	...	93–94	Feer and Königs	B., 18, 2390	48, 1245
Ethylic phenylallophanate	NHPh.CO.NH.CO_2Et	$C_{10}H_{12}O_3N_2$	....	120	Stojentin	J. p., 32, 1	48, 1196
" benzenylamidoxime carbonate	NH_2.CPh : N.O.CO_2Et	"	....	127	Falck	B., 18, 2467	48, 1217
Acetylphenylhydroxyethenylamidoxime	HO.CHPh.C(NH_2) : NOAc	"	....	140 d.	Gross	B., 18, 1076	
Phenylmethylhydantoic acid	NHPh.CO.NH.CHMe.CO_2H	"	....	170 d.	Kühn	B., 17, 2884	48, 261
Ethylacetonitroanilide	NO_2.NEtAc=1.4	"	....	117·5	Weller	B., 16, 31	44, 579
"	" "	"	....	118	Nölting and Collin	B., 17, 267	46, 1013
Ethylic benzenylamidoximecarboxylate	CO_2Et.[C(NH_2) : N.OH]=1.4	"	....	135	Müller	B., 18, 2486	48, 1227
Urethane benzamide ...	(CO.NH_2).(NH.CO_2Et)=1.3	"	....	157–158	Wachendorff	B., 11, 704	34, 675
Ethylic uramidobenzoate ...	CO_2Et.(NH.CO.NH_2)=1.3	"	....	176	Griess	J. p. [2], 4, 293	25, 81; vii., 166
Dimethamidophenyloxamic acid	NMe_2.(NH.CO.CO_2H)=1.4	"	....	192 d.	Sendtner	B., 12, 531	36, 627
Tolylhydantoic acid	Me.[N(CO.NH_2)(CH_2.CO_2H)]=1.4	"	....	d. w. m. 200	Schwebel	B., 11, 1129	34, 798
Acetamidonitroethylbenzene	Et.NHAc.NO_2=1.4.?	"	....	45–47	Paucksch	B., 17, 770	46, 1143
Nitroacetoxylidine	Me_2.NHAc.NO_2=1.3.2.4	"	....	149	Grevingk	B., 17, 2426	48, 145
"	" =1.3.4.6	"	....	159–160	"	B., 17, 2425	"
"	" =1.3.4.?	"	....	172–173	Hofmann	B., 9, 1297	31, 92
"	" =1.3.5.?(?)	"	....	180	Wroblewsky	B., 10, 1248; A., 207, 93	34, 55; 40, 433
"	" =1.4.(?)$_2$	"	....	192	Schaumann	B., 11, 1538	36, 52
Nitrophenylhydroxyacetimidoether	NO_2.[CH(OH).C(OEt) : NH]=1.3	$C_{10}H_{12}O_4N_2$	....	84	Beyer	J. p. [2], 31, 382	48, 983
Ethylic nitramido-a-toluate....	(CH_2.CO_2Et).NO_2.NH_2=1.2.4	"	....	100	Gabriel and Meyer	B., 14, 825	40, 730
Dinitrocymene	Pr.Me.(NO_2)$_2$=?	"	....	54	Kraut	A., 92, 71	ii., 297
"	" "	"	cf. J. [1873], 368	205 or 250 (?)	Rommier	B. S. [2], 19, 434	26, 888
Dinitroisodurene	Me_4.(NO_2)$_2$=1.2.3.5.4.6	"	....	156	Jacobsen	B., 15, 1853	44, 52
"	" =1.3.4.6.2.5	"	....	199; *205*	Jannasch and Fittig	Z. C. [2], 6, 162	vi., 828
?—acid	....	"	....	240+d.	Curtius	J. p. [2], 24, 239; 26, 197; B., 16, 756	40, 1144; 44, 340
Dinitroisobutylphenol	Bu$^{\beta}$.OH.(NO_2)$_2$=?	$C_{10}H_{12}O_5N_2$	....	93	Studer	B., 14, 1474	40, 898
"	" "	"	cf. A., 211, 244	93	Liebmann	B., 14, 1843	
Nitroacetamidodimethylquinol	$(OMe)_2$.NHAc.NO_2=1.4.(?)$_2$	"	....	164	Baessler	B., 17, 2121	46, 1329
Dinitrothymol	Pr$^{\alpha}$.Me.OH.(NO_2)$_2$=1.4.6.(?)$_2$	"	cf. B., 10, 611	55	Lallemand	A. C. [3], 49, 152	v., 795
a-dinitrodiethoxybenzene	$(OEt)_2$.(NO_2)$_2$=1.4.2.?	$C_{10}H_{12}O_6N_2$	....	130	Nietzki	B., 12, 41; A., 215, 150	36, 464; 44, 466
β- "	" "	"	....	176	"	"	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-dinitrodiethoxybenzene	$(OEt)_2.(NO_2)_2$=1.4.2.?	$C_{10}H_{12}O_6N_2$	....	172	Nietzki	B., 11, 1448	34, 867
Dinitrodiethoxyphenol	$(OEt)_2.OH.(NO_2)_2$=1.4.2.(?)$_2$	$C_{10}H_{12}O_7N_2$	....	152	,,	A., 215, 157	44, 466
Benzyldimethylacetoxime	CMe_2 : $NO.CH_2Ph$	$C_{10}H_{13}ON$	190 d.	Liquid	Janny	B., 16, 175	44, 581
Propylbenzaldoxime	Ph.CH : NOPr	,,	225–226 u.c.	....	Petraczek	B., 16, 828	
Ethylacetanilide	Ph.NEt.Ac	,,	....	51–53	Elsbach	B., 15, 691	
,, ...	,,	,,	248–250	54·5	Reinhardt & Städel	B., 16, 30	44, 578
Methylpropionanilide	$Ph.NMe.C_3H_5O$	,,	....	58·5	Norton and Allen	B., 18, 1998	
Butyranilide	$Ph.NH.OC.(CH_2)_2.CH_3$	,,	cf. A., 87, 166	90	Gerhardt	A. C. [3], 37, 329	iv., 480
,, ...	,,	,,	....	*92*	Kelbe	B., 16, 1200	44, 916
Acetamidoethylbenzene	Et.NHAc=1.2	,,	....	110–112	Paucksch	B., 17, 768	46, 1143
,, ...	,,	,,	304–305	....	Beilstein and Kuhlberg	A., 156, 208; Z. C. [2], 5, 524	46, 1143; vi., 292, 1131
,, ...	,, =1.4	,,	315–317	*94*	,,	,,	,,
,, ...	,, ,,	,,	....	94	Paucksch	B., 17, 768	46, 1143
,, ...	,, ,,	,,	....	94·5	Benz	B., 15, 1649	
Acetylmethyltoluide ...	Me.NMeAc=1.2	,,	250–251	....	Reinhardt & Städel	B., 16, 30	44, 578
,, ...	,, ,,	,,	*260*	55–56	Monnet & Nölting	B., 11, 2279	36, 310
,, ...	,, =1.3	,,	....	66	,,	,,	
,, ...	,, =1.4	,,	....	81	Claus and Steinberg	B., 16, 914	
,, ...	,, ,,	,,	283	83	Thomsen	B., 10, 1583	34, 218
Cuminaldoxime	Pr.(CH : NOH)=?	,,	....	52	Westenberger	B., 16, 2994	46, 581
Acetoxylide	$Me_2.NHAc$=1.2.4	,,	....	*99*	Jacobsen	B., 17, 161	46, 737
,, ...	,, =?	,,	cf. A., 208, 322	112–113	Genz	Z. C. [2], 6, 216	vi., 1131
,, ...	,, =1.3.4	,,	....	123	Tawildarow	B., 2, 553	vii., 1209
,, ...	,, ,,	,,	....	127	Wroblewsky	B., 10, 1248	34, 54
,, ...	,, ,,	,,	....	127	Schmitz	A., 193, 179	36, 157
,, ...	,, ,,	,,	a. 320	*127*	Wroblewsky	A., 207, 92	40, 433
,, ...	,, ,,	,,	....	127	Kelbe	B., 16, 1200	44, 916
,, ...	,, ,,	,,	....	127–128	Hofmann	B., 9, 1295, 1300	31, 90, 92
,, ...	,, ,,	,,	....	128	Grevingk	B., 17, 2431	46, 145
,, ...	,, =1.2.3 (?)	,,	....	129–130	Staedel	B., 16, 28	
....	,, ,,	,,	....	*131–132*	Wroblewsky	B., 12, 1228; A., 207, 100	36, 920; 40, 433
,, ...	,, ,,	,,	....	134	Nölting and Forel	B. S., 42, 332	48, 382
,, ...	,, =1.3.?	,,	....	134; 135	,,	,,	,,
....	,, =1.4.5	,,	....	*138–139*	Schaumann	B., 11, 1538	36, 52
,, ...	,, ,,	,,	....	138–139	Wroblewsky	A., 207, 91	40, 433
,, ...	,, =1.3.5	,,	....	*144·5*	,,	A., 207, 96; B., 10, 1249	34, 55; 40, 433
,, ...	,, =1.3.2	,,	....	*174*	Grevingk	B., 17, 2431	48, 145
,, ...	,, ,,	,,	....	175	Nölting and Forel	B. S., 42, 332	48, 382
Formocumidide	$Me_3.(NH.CHO)$=?	,,	....	121	Senier	....	47, 768
Tetrahydromethoxyquinoline (thalline)	N.OMe=α_1 ; β_2	,,	282–283	42–43		D. P., 256, 192	48, 1023
Tetrahydrohydroxymethylquinoline	(NMe).OH=α_1 ; α_1	,,	....	114	Fischer	B., 16, 715	44, 1146
Tetrahydroxyquinaldine	N.Me.OH=$\alpha_1\beta_1$; α_1	,,	278–282	Liquid	Döbner and Miller	B., 17, 1707	46, 1374
Acetylethenyltriamidobenzene	$NHAc.NHC_2H_3.NH_2$=?	$C_{10}H_{13}ON_3$	$+2H_2O$	85–90	Salkowski	B., 10, 1693	34, 140
?	....	,,	$+5H_2O$	144 d.	Feer and Königs	B., 18, 2392	48, 1245
Ethylphenylhydroxyacetimide	Ph.CH(OH).C(OEt) : NH	$C_{10}H_{13}O_2N$	....	71–72	Beyer	J. p. [2], 28, 190	46, 65
,,	,,	,,	....	72	,,	J. p. [2], 31, 382	48, 932
Phenyl amidobutyric acid (?)	$NH_2.CHPh.(CH_2)_2.CO_2H$(?)	,,	d. 170	85–86	Fittig	B., 17, 202	46, 744
Propylic phenylcarbamate	$NHPh.CO_2Pr^{\alpha}$	,,	....	57–59	Roemer	B., 6, 1113	27, 39
Isopropylic phenylcarbamate	$NHPh.CO_2Pr^{\beta}$	,,	....	90	Gumpert	J. p. [2], 31, 119	48, 656
Ethylic phenylmethylcarbamate	$NMePh.CO_2Et$	,,	243–244	Liquid	Gebhardt	B., 17, 3042	48, 384
Ethylic phenamidoacetate	$NHPh.CH_2.CO_2Et$	,,	....	57–58	Meyer	B., 8, 1156	29, 373
β-phenamidobutyric acid	$CH_3.CH(NHPh).CH_2.CO_2H$	,,	cf. B., 13, 313	127–128	Balbiano	G. I., 10, 137	38, 462, 542
α-phenamidoisobutyric acid	$NHPh.CMe_2.CO_2H$	,,	....	184–185	Tiemann	B., 15, 2042	44, 199

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetamidoethoxybenzene	OEt.NHAc=1.3	$C_{10}H_{13}O_2N$	....	96·7 u. c.	Wagner	J. p. [2], 32, 70	**48**, 1212
Methylic dimethamidobenzoate	$NMe_2.CO_2Me$=1.3	„	270 u.c.	Liquid	Griess	B., 6, 587	**26**, 1146; vii., 187
Ethylic tolylcarbamate	Me.(NH.CO_2Et)=1.3	„	....	L.—47	Cosack	B., 13, 1090	**38**, 713
„ „	„ =1.2	„	....	32	Hofmann	P. R., 19, 108	**24**, 139
„ „	„ „	„	....	42	Cosack	B., 12, 1450	**38**, 245
„ „	„ „	„	....	45–46	Nevilleand Winther	B., 12, 2324	vii., 253
„ „	„ „	„	....	45–46	Lachmann	B., 12, 1349	**36**, 935
„ „	„ =1.4	„	cf. B., 3, 656	52	Hofmann	P. R., 19, 108	vii., 1180
α-tolylamidopropionic acid	Me.(NH.CHMe.CO_2H)=1.2	„	....	cryst.	Tiemann & Stephan	B., 15, 2039	**44**, 199
α- „ „ ..	„ =1.4	„	....	152	„	B., 15, 2037	„
α-Nitrocymene	Pr^a.Me.NO_2=1.4.5 or 6	„	....	Liquid	Landolph	B., 6, 937	**26**, 1227
„	„ „	„	....	Liquid	Fittica	A., 172, 314	**28**, 59
β- „	„ =1.4.6 or 5	„	....	124	Gerichten	B., 11, 1092	**34**, 787
„	„ „	„	....	124·5	Landolph	B., 6, 937	**26**, 1227
„	„ „	„	....	124·5	Gerichten	B., 10, 1251	**34**, 49
„	„ „	„	....	125	Fittica	A., 172, 315	**28**, 59, 60
α-Amidocuminic acid	Pr.CO_2H.NH_2=1.4.5 or 6	„	....	104	Fileti	G. I., 10, 12	**40**, 424
„ „	„ „	„	....	104	Lippmann & Lange	B., 13, 1661; 1876	**40**, 276
„ „ ...	„ „	„	cf. B., 7, 81	104·4	Paterno and Fileti	G. I., 5, 383	**29**, 595
β- „ „	„ =1.4.6 or 5	„	....	129	„	„	„
„ „	„ „	„	....	129	Fileti	G. I., 10, 12	**40**, 424
„ „	„ „	„	....	129	Lippmann & Lange	B., 13, 1661, 1876	**40**, 276
Xylylamidoacetic acid	Me_2.(NH.CH_2.CO_2H)=1.3.?	„	....	132–134	Ehrlich	B., 16, 206	**44**, 594
Nitrosopropylcresol	Pr^a.Me.OH.NO_2=?.1.3.?	„	cf. B., 16, 243	140 d.	Mazzara	G. I. [1882], 333	**42**, 1200
Nitrosocarvacrol	„ =1.4.5.?	„	cf. B., 12, 383	153	Paterno & Canzoneri	G. I., 11, 124	**40**, 595
Nitrosothymol	„ =1.4.6.?	„	....	155–156	„	„	„
„	„ „	„	....	155–156	Schiff	B., 8, 1500	**29**, 583
„	„ „	„	slow Ht.	155–156	Liebermann	B., 10, 78	
„	„ „	„	quick Ht.	162–166	„	„	
„	„ „	„	....	160–162	Widmann	B., 15, 170	**42**, 728
Nitrosoisopropylcresol ...	$Pr^β$.Me.OH.NO=?.1.3.?	„	cf. B., 16, 793	165–167 d.	Mazzara	G. I., 12, 505	**44**, 463
Nitrodurene	Me_4.NO_2=1.2.3.5.6	„	....	165	Ador and Rilliet	B., 12, 332	**36**, 527
Ethylic lutidine carboxylate	N.Me_2.CO_2Et=1.2.4.3	„	246–247 u.c.	Liquid	Michael	B., 18, 2022	**48**, 1244
„ „ „	„ =?	„	270–300 (?)	Liquid	Canzoneri and Spica	G. I., 14, 448	**48**, 751
Methylcarbocollidylium dehydride	$C_5HMe_3NMe.COO$	„	abt. 340	102–103	Hantzsch	B., 17, 1025	**46**, 1045
Dimethamidophenyl oxamide	NMe_2.(NH.CO.CO.NH_2)=1.4	$C_{10}H_{13}O_2N_3$	....	257–259	Sendtner	B., 12, 532	**36**, 627
Reduction of dinitrodiethyl quinol	....	„	....	233	Nietzki	B., 12, 42; A., 215, 151	**36**, 464; **44**, 466
Isobutoxynitrobenzene	$OBu^β$.NO_2=1.2	$C_{10}H_{13}O_3N$	285–290 d.	L.—20	Riess	Z. C. [2], 7, 39; B., 3, 780	**24**, 221
„ ...	„ =1.4	„	275–280	L.—20	„	„	„
Ethylanishydroxamic acid	OMe.(CO.NH.OEt)=1.4	„	....	32	Eiseler	A., 175, 338	**28**, 767
Ethylic anishydroxamate	OMe.(CO.NEt.OH)	„	....	84	Pieper	A., 217, 17	**44**, 462
Ethoxyphenylamidoacetic acid	OEt.(NH.CH_2.CO_2H)=1.2	„	....	120	Vater	J. p. [2], 29, 286	**46**, 1144
Acetamidodimethoxybenzene	$(OMe)_2$.NHAc=1.4.5	„	....	91	Baessler	B., 17, 2121	**46**, 1329
Hydroxypropylamidobenzoic acid	CO_2H.NH_2.(CMe_2.OH) =1.3.4	„	....	nf. 270	Widmann	B., 16, 2571	**46**, 317
Nitrocarvacrol	Pr^a.Me.OH.NO_2=1.4.5.?	„	....	77–78	Paterno & Canzoneri	B., 12, 383	
„	„ „	„	.. .	79	„	G. I., 11, 124	**40**, 595
Nitrothymol	„ =1.4.6.?	„	....	abt. 119	Paterno	G. I. [1875], 13	**28**, 640
„	„ „	„	....	137	Schiff	B., 8, 1501	**29**, 583
„	„ „	„	....	137	Paterno & Canzoneri	G. I., 11, 124	**40**, 595
„	„ „	„	....	138–139	„	G. I., 10, 233	**38**, 883
„	„ „	„	....	140	Liebermann	B., 10, 612	**32**, 477
Ethylic hydroxylutidine carboxylate	N.Me_2.OH.CO_2Et=?	„	....	140	Collie	A., 226, 294	**48**, 374
Nitrodiethoxybenzene	$(OEt)_2$.NO_2=1.4.5	$C_{10}H_{13}O_4N$	....	49	Nietzki	B., 12, 39; A., 215 146	**36**, 464; **44**, 466
Fr. phthalimide	....	„	....	90–94	Landsberg	A., 215, 195	**44**, 476

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrocœrulignol	Pr.OMe.OH.NO_2=?.1.2.?	$C_{10}H_{13}O_4N$	....	124	Pastronich	M. C., 4, 191	**44**, 1006
Ethylic ethylcomenamate	$C_5H_3EtNO_2.CO_2Et$	"	....	114–115	Mennel	J. p. [2], 32, 176	**48**, 1204
Ethylic dimethylpyrroline dicarboxylate	$N.Me_2.CO_2H.CO_2Et$ =1.2.5.3.4	"	....	a. 200 d.	Knorr	B., 17, 1639	**46**, 1368
" "	" "	"	....	227 d.	"	B., 18, 1563	**48**, 994
Dinitrodiethylaniline	$NEt_2.(NO_2)_2$=1.2.4	$C_{10}H_{13}O_4N_3$	....	180	Lippmann and Fleissner	M. C., 4, 788	**46**, 179
Diethylnitropyrogallol	$(OEt)_2.OH.NO_2$=?	$C_{10}H_{13}O_5N$	....	123	Weselsky and Benedikt	M. C., 2, 217	**42**, 54
Ethylic phenylethenylamidoxime	$Ph.CH_2.C(NH_2):NOEt$	$C_{10}H_{14}ON_2$	....	58	Knudsen	B., 18, 1072	**48**, 897
a-Phenamidoisobutyramide....	$NHPh.CMe_2CO.NH_2$	"	....	137	Tiemann	B., 15, 2042	**44**, 199
Nitrosodiethylaniline	$C_6H_4.NO.NEt_2$=1.4	"	....	84	Kopp	B., 8, 622	
"	" "	"	....	84	Lippmann and Fleissner	B., 16, 1422	
Acetyldimethdiamidobenzene	$NMe_2.NHAc$=1.4	"	335 d.	*130*	Wurster	B., 12, 525	**36**, 627
"	" "	"	....	131	Witt	....	**35**, 360
Propylphenyl carbamide	$NH_2.CO.NH.C_6H_4Pr$=1.4	"	....	143	Francksen	B., 17, 1225	**46**, 1008
Toluidopropionamide	$Me.(NH.CHMe.CO.NH_2)$ =1.2	"	....	125	Tiemann & Stephan	B., 15, 2038	**44**, 199
"	" =1.4	"	....	145	"	B., 15, 2037	"
Pseudocumylcarbamide	$Me_3.(NH.CO.NH_2)$=?	"	....	d.w.m. 227	Engel	B., 18, 2233	**48**, 1216
Diazocamphor	$C_8H_{14}.C:C.N:N.O$	"	....	73–74	Schiff	B., 14, 1375	**42**, 527
Diisobutyryl dicyanide	....	$C_{10}H_{14}O_2N_2$	226–228	L. —15	Moritz	....	**39**, 14
Dibutyryl dicyanide....	....	"	232–235	....	"	....	**39**, 17
Ethylic phenyhydroxy-ethenylamidoxime	$HO.CHPh.C(NH_2):NOEt$	"	....	89	Gross	B., 18, 1079	**48**, 898
Nitrodiethylaniline	$NO_2.NEt_2$=1.4	"	....	76	Lippmann and Fleissner	B., 16, 1422; M. C., 4, 284	**44**, 868, 1100
Diamidocuminic acid	$CO_2H.Pr^{\beta}.(NH_2)_2$=?	"	....	192	Lippmann	B., 15, 2144	**44**, 194
Phenylacediamine acetate	$Ph.CH_2.C(:NH).NH_2+HAc$	"	....	192–193	Bernthsen	B., 8, 1320	**29**, 607
Fr. juglone	$C_6H_2O_2(NMe_2)_2$	"	....	173–174	Mylius	B., 18, 467	**48**, 804
Ethoxycaffeïne	$C_8H_9N_4O_2.OEt$	$C_{10}H_{14}O_3N_4$	....	140	Fischer	B., 14, 640; A., 215, 253	**40**, 614; **44**, 355
Methylphenylpropylalkine....	$NPhMe.C_3H_6.OH$	$C_{10}H_{15}ON$	262	....	Laun	B., 17, 678	**46**, 1011
Ethylphenylethylalkine	$NPhEt.C_2H_4.OH$	"	267–268·5	....	"	B., 17, 677	"
Diethamidophenol	$OH.NEt_2$=1.2	"	218–220	Liquid	Föster	J. p. [2], 21, 367	**38**, 465
Ethamidoethoxybenzene	$OEt.NHEt$=1.2	"	234–235(751)	Liquid	"	J. p. [2], 21, 346	**38**, 464
Dimethamidoethoxybenzene	$OEt.NMe_2$=1.3	"	247 u.c.	Liquid	Wagner	J. p. [2], 32, 70	**48**, 1212
"	" "	"	....	Liquid	Baur and Staedel	B., 16, 33	
Hydroxypropyltoluidine	$Me.(NH.C_3H_6.OH)$=1.4	"	290	74	Morley	B., 15, 179	**42**, 723
"	" "	"	293 c.; s.d.	74	"	B., 16, 82	**41**, 388
Hydroxyethylmethyltoluidine	$Me.(NMe.C_2H_4.OH)$=1.4	"	290–300	Liquid	Demole	B., 7, 637; A., 173, 133	**27**, 903
Carvoxime	$C_{10}H_{14}:N.OH$	"	v. $C_{10}H_{17}ON$	66·5	Goldschmidt	B., 17, 1578	**46**, 1138
"	"	"	240 d.	71	Goldschmidt and Zürrer	B., 18, 1730	**48**, 1058
Amidocarvacrol	$Pr^{\alpha}.Me.OH.NH_2$=1.4.5.2	"	....	304	Paterno and Canzoneri	B., 12, 384	
Nitrosohesperidene	....	"	....	70·1; 71 c.	Tilden & Shenstone	J. [1877], 428	**31**, 559
Isonitrosoterpene	from caraway	"	....	71	"	"	**31**, 560
"	" bergamot	"	....	71	"	J. [1879], 396	"
Nitrosoterpene	" oil of juniper	"	....	128·5	"	"	**31**, 558
"	" " sage	"	....	129	"	J. [1877], 958	**31**, 557
"	....	"	....	129	Goldschmidt and Zürrer	B., 18, 2223	**48**, 1210
"	....	"	....	129–130	Tilden	J. [1875], 391	**28**, 516
Nitrosoterebenthene....	....	"	....	128·8 c.	Tilden & Shenstone	....	**31**, 557
"	from camphor oil	"	....	130	Yoshida	....	**47**, 786
Nitroso-australene	....	"	....	129 c.	Tilden & Shenstone	....	**31**, 556

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetyldimethtriamidobenzene	$NMe.NHAc.NH_2$=1.3.4 or 1.4.3	$C_{10}H_{15}ON$	....	153	Würster & Sendtner	B., 12, 1807	38, 110
„	„ „	„	$+H_2O$	82	„	„	„
Campherimide	....	$C_{10}H_{15}O_2N$	A., 60, 329	180 s. t.	Ballo	A., 197, 332	
Hydrazineanisoïl carbamide	$MeO.(N_2H_2.CO.NHEt)=1.2$	$C_{10}H_{15}O_2N_3$	....	110	Reisenegger	A., 221, 314	46, 440
Nitrocamphor	$C_{10}H_{14}.OH.NO_2$	$C_{10}H_{15}O_3N$	....	83	Schiff	B., 13, 1403	38, 891
Amidocamphoric anhydride	$C_8H_{13}(NH_2):(CO)_2:O$	„	sb. 150	208	Wreden	A., 163, 339	25, 896; vii., 237
Diethylic γ-amidoisophthalate	$(CO_2Et)_2.NH_2=1.3.?$	$C_{10}H_{15}O_4N$	....	118	Beyer	J. p. [2], 25, 465	42, 1296
Nitro-oxycamphor	....	„	....	163–164	Zürrer	B., 18, 2228	
„	....	„	....	169–170	Kachler & Spitzer	B., 15, 2337	44, 215
„	....	„	....	175	Swarts	B., 15, 2136	
?	$C_4H_3O.C(NH_3.C_2H_3O_2).CMe_2.O$	„	305–310	153	Tönnies and Staub	B., 17, 856	46, 1130
Ethylic diethylcyanurcarboxylate	$C_3Et_2O_3N_3.CO_2Et$	$C_{10}H_{15}O_5N_3$	....	107	Wurtz and Henninger	C. R., 100, 1419	48, 969
Methoxycyanconiine	$C_9H_{13}N(:NH).OMe$	$C_{10}H_{16}ON_2$	225	....	Meyer	J. p. [2], 126, 353	44, 353
Methylhydroxycyanconiine	$C_9H_{13}N(:NMe).OH$	„	275–276	76·5	„	J. p. [2], 126, 348	„
Dimethoxyhydroxycaffeïne....	$C_8H_9O_2N_4.OH.(OMe)_2$	$C_{10}H_{16}O_5N_4$	....	178–179	Fischer	B., 14, 642	40, 614
Amidocamphor	$C_{10}H_{14}.OH.NH_2$	$C_{10}H_{17}ON$	246·4	solid	Schiff	B., 13, 1404	38, 892
Carvoxime	$C_{10}H_{16}:NOH$	„	v. $C_{10}H_{15}ON$	70–71	Goldschmidt and Zürrer	B., 18, 2220	48, 1210
Camphoroxime	„	„	249–254	115	Nageli	B., 16, 498	44, 728
Isocamphoroxime	$HO.C_9H_{15}:C:NH(?)$	„	....	125	„	B., 17, 806	46, 1190
Acetyl γ-coniceïne	$C_8H_{14}AcN$	„	252–255	Liquid	Hofmann	B., 18, 116	48, 563
Methoxycyanethine	$C_9H_{14}N_3.OMe$	$C_{10}H_{17}ON_3$	....	130	Riess	J. p. [2], 30, 145	48, 235
Ethylic mesitylate	$C_7H_{12}O.CO_2Et$	$C_{10}H_{17}O_3N$	290	85	Pinner	B., 15, 578	42, 941
„ „	„	„	....	*90*	„	B., 14, 1074	40, 796
Amidocamphoric acid	$C_8H_{13}.NH_2.(CO_2H)_2$	$C_{10}H_{17}O_4N$	....	160	Wreden	A., 163, 340	25, 896
Ethylimidodiethyldioxamide	$NEt(CO.CO.NHEt)_2$	$C_{10}H_{17}O_4N_3$	....	135–138 d.	Schiff	B., 17, 403	46, 907
Campholenic nitril+hydroxylamine	$C_9H_{15}.CN+NH_2.OH$	$C_{10}H_{18}ON_2$	....	101	Goldschmidt and Zürrer	B., 17, 2070	46, 1364
Acetyl copellidine	$C_8H_{16}AcN$	$C_{10}H_{19}ON$	254	....	Dürkopf	B., 18, 924	48, 817
Ethylic diethamidocrotonic acid	$NEt_2.CMe:CH.CO_2Et$	$C_{10}H_{19}O_2N$	160–163 (20)	Liquid	Kuckert	B., 18, 619	48, 750
Ethylic oxyhexinamate	$C_6H_7O(OEt)_2.NH_2$	$C_{10}H_{19}O_3N$	....	78–79	Demarçay	A. C. [5], 20, 490	
„ isooxyhexinamate	„	„	....	94–95	„	A. C. [5], 20, 492	
„ ethyldiglycollamidate	....	$C_{10}H_{19}O_4N$	200–220	Liquid	Heintz	A., 145, 230	
Isobutylvaleryl carbamide	$NHBu^{\beta}.CO.NH.C_5H_9O$	$C_{10}H_{20}O_2N_2$	....	102	Hofmann	B., 15, 758	42, 1053
Ethylidenepropylurethane	$CH_3.CH(NH.CO_2Pr)_2$	$C_{10}H_{20}O_4N_2$	....	115–116	Bischoff	B., 7, 1082	28, 146
Caprinamide	$C_9H_{19}.CO.NH_2$	$C_{10}H_{21}ON$	....	98	Hofmann	B., 15, 984	
„	„	„	....	b. 100	Rowney	A., 79, 243	
Triacetonemethylalkamine	$C_9H_{18}NOMe$	„	....	74	Fischer	B., 16, 1606	44, 1153
Dimethyloxyconine	$C_8H_{15}Me_2ON$	„	225–226	Liquid	Hofmann	B., 18, 119	48, 563
Ethyloxyconine	$C_8H_{16}EtON$	„	240–242	....	Ladenburg	B., 14, 2409	42, 166
Alkaloid fr. Lupinus lutens	....	$C_{10}H_{21}O_2N$	269–270	62·5	Schulz	B. S. [1879], 874	38, 416
Tripropoxyacetonitril (?)	$(PrO)_3.CN$ (?)	$C_{10}H_{21}O_3N$(?)	216–219	....	Bauer	A., 229, 163	48, 1121
Diisobutylglyoxylamide	$(Bu^{\beta}O)_2.CH.CO.NH_2$	„	....	42–45	Pinner and Klein	B., 11, 1479	36, 47
Dipiperallylalkamine	....	$C_{10}H_{23}ON_2$(?)	280–290 p. d.	Liquid	Ladenburg	C. R., 93, 338	40, 1158
Dioxyisoamylamine	$(C_5H_{11}O)_2NH$	$C_{10}H_{23}O_2N$	249–251	L. −20	Radziszewski and Schramm	B., 17, 839	46, 1190
Allyl cyanide+ethylalcohol	$C_4H_5N.3C_3H_6O$	$C_{10}H_{23}O_3N$	173–174	Liquid	Rinne	B., 6, 389	26, 880; vii., 49
Nitro-α-naphthonitril	$C_{10}H_5.NO_2.CN$	$C_{11}H_6O_2N_2$	....	*81*	Welkov	B., 2, 408	vi., 848
„ -α- „	„	„	....	100–130	Graeff	B., 16, 2248	46, 80
„ -α- „	„	„	....	*152–153*	„	B., 16, 2247	„
„ -α- „	„	„	....	*205*	„	B., 14, 1065	40, 822
„ -α- „	„	„	....	205	„	B., 15, 1126	
„ -α- „	„	„	....	205	„	B., 16, 2247	46, 80
„ -β- „	„	„	(impure)	95–120	„	B., 16, 2248	„

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitro-β-naphthonitril	$C_{10}H_6.NO_2.CN$	$C_{11}H_6O_2N_2$	....	*172–173*	Graeff	B., 16, 2248	**46**, 80
" -?- "	"	"	....	100	"	B., 14, 1063	**40**, 822
" -?- "	"	"	....	148–149	"	"	"
Dinitro-α-naphthoic acid	$C_{10}H_5(NO_2)_2.CO_2H$	$C_{11}H_6O_6N_2$	....	263–265	Ekstrand	B., 17, 1601	**46**, 1361
" -β- " "	"	"	....	226	"	B., 17, 1603	"
" -β- " "	"	"	....	248	"	"	"
α-Naphthylisocyanate	$C_{10}H_7.N:CO$	$C_{11}H_7ON$	269–270	....	Hofmann	P. R., 19, 108; B., 3, 658	**24**, 139; **vii.**, 407, 844
Cupreïne	$C_{22}H_{14}O_6N_2$(?)	$C_{11}H_7O_3N$(?)	cf. A., 210, 89	191	Hesse	A., 226, 241	**48**, 276
Nitro-α-naphthoic acid	$CO_2H.NO_2=\alpha_1.?$	$C_{11}H_7O_4N$	....	194	Küchenmeister	B., 3, 740	**vii.**, 838
" -α- " "	" "	"	....	195–196	Ekstrand	B., 12, 1394	**38**, 261
" -α- " "	" $=\alpha_1.?$;	"	....	*215 u.c.*	"	B., 18, 73	**48**, 548
" -α- " "	" $=\alpha_1$; α_1 or α_2	"	....	233	"	B., 12, 1395	**38**, 261
" -α- " "	" "	"	....	235	Graeff	B., 15, 1126	**42**, 1212
" -α- " "	" "	"	....	238	"	B., 14, 1066	**40**, 822
" -α- " "	" "	"	....	239 u.c.	Ekstrand	B., 18, 77	**48**, 548
" -α- " "	" "	"	....	*241–242*	Graeff	B., 16, 2250	**46**, 81
" -α- " "	" $=\alpha_1.?$	"	....	*255*	"	B., 16, 2252	"
" -β- " "	" $=\beta_1.?$	"	....	*200*	"	B., 14, 1064	**40**, 822
" -β- " "	" $=\beta_1.?$	"	....	220	Ekstrand	B., 12, 1395	**38**, 261
" -β- " "	" "	"	....	*228*	Küchenmeister	B., 3, 741	**vii.**, 838
" -β- " "	" $=\beta_1.?$	"	....	*269 u.c.*	Ekstrand	B., 18, 1205	**48**, 905
" -β- " "	" $=\beta_1.?$	"	....	280	"	B., 12, 1395	**38**, 261
" -β- " "	" $=\beta_1.?$	"	....	*288–289 u.c.*	"	B., 18, 1206	**48**, 905
" -β- " "	" $=\beta_1.?$	"	....	*293 u.c.*	"	B., 18, 1207	"
" -β- " "	" "	"	....	295	Graeff	B., 16, 2252	**46**, 81
Nitromethyldihyroxynaphthaquinone	$C_{10}H_2Me(NO_2)(OH)_2:O_2$	$C_{11}H_7O_6N$	....	255–260	Thörner	B., 12, 1633	**38**, 47
Dinitrocitraconanil	....	$C_{11}H_7O_6N_3$	cf. A., 85, 21	120	Rudnew	Z. C. [2], 7, 203	**24**, 712
Trinitro-α-methoxynaphthalene	$C_{10}H_4.OMe.(NO_2)_3$	$C_{11}H_7O_7N_3$	....	128	Staedel	B., 14, 900; A., 217, 172	**40**, 724; **44**, 863
" -β- "	"	"	....	213	"	"	"
Dipyridilcarboxylic acid	$C_{10}H_7ON_2.CO_2H$	$C_{11}H_8O_2N_2$	....	179	Skraup	B., 15, 896	**42**, 1112
" "	"	"	....	182·5–184	Skraup & Vortmann	M. C., 3, 370, 597	**44**, 88
Toluquinoxalinedicarboxylic acid	$C_6H_3Me:(.N:C.CO_2H)_2:$	$C_{11}H_8O_4N_2$	....	d. 145	Hinsberg	B., 18, 1233	**48**, 910
Dinitro-β-methylnaphthalene	$C_{10}H_5Me(NO_2)_2$	"	....	206	Schulze	B., 17, 844	**46**, 1184
α-naphthylformamide	$C_{10}H_7.NH(CHO)$	$C_{11}H_9ON$	....	102 (?)	Zinnin	A., 108, 229	**ii.**, 682
α- "	"	"	....	137	Liebermann	A., 211, 42	
α- "	"	"	....	*138·5*	Tobias	B., 15, 2447	**44**, 326
β- " ...	"	"	....	120	Cosiner	B., 14, 58	**40**, 606
β- " ...	"	"	....	*128*	Tobias	B., 15, 2447	**44**, 326
β- "	"	"	....	129	Liebermann	A., 211, 42	
α-naphthoamide	$C_{10}H_7.CO.NH_2$	"	....	128 ?	Rakowski	B., 5, 319	
α- "	"	"	....	202	Leone	G. I., 14, 120	**46**, 1362
α- "	"	"	....	204	Liebermann	A., 183, 225	**31**, 608
α- "	"	"	....	204	Bössneck	B., 15, 3065	
α- " (misprint in orig.)	"	"	cf. A., 142, 121	*204*	Hofmann	B., 1, 39	**vi.**, 851
α- "	"	"	....	207	"	C. R., 66, 476	
β- "	"	"	....	192	Leone	G. I., 14, 120	**46**, 1362
β- "	"	"	....	192	Liebermann	A., 183, 225	**31**, 608
β- "	"	"	....	*192*	Vieth	A., 180, 320	**30**, 87
Pseudobenzopyrroline	$Ph.CO.C_4H_3:NH$	"	....	77–78	Ciamician & Dennstedt	B., 17, 433, 2956	**46**, 1044; **48**, 379
Phenylcitraconimide	$Ph.N:C_6H_4O_2$	$C_{11}H_9O_2N$	....	96	Strecker	B., 15, 1641	**42**, 1281
"	"	"	v.a. 100	96	Gottlieb	A., 77, 278	**i.**, 993
Fr. Anilidopyrotartaric acid	....	"	....	98	Wechsler	B., 18, 1052	**48**, 901
Allyl phthalimide	$C_6H_4:(CO)_2:NC_3H_5=1.2$	"	....	70–71	Wallach & Kamensk	B., 14, 171	
Hydroxfurfuraniline	$C_6H_4(OH).NC_5H_4O=1.4$	"	....	180–182 d.	Schiff	A., 201, 358	**38**, 391
Aniluvitonic acid	....	"	....	241–242	Böttinger	A., 191, 321	
Nitro-α-methylnaphthalene....	$Me.NO_2=\alpha.?$	"	....	Liquid —15	Schulze	B., 17, 845	**46**, 1184
" -β- "	" $=\beta.\alpha$	"	....	81	"	B., 17, 844	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitroso-methoxynaphthalene	$C_{10}H_6.OMe.NO=\beta_1\alpha_1$;(?)	$C_{10}H_9O_2N$	....	75	Ilinski	B., 17, 2588	**48**, 168
„ „	„ $=\alpha_1\alpha_2$;(?)	„	....	98–100	„	B., 17, 2591	„
Methyl β-nitroso-α-naphthol	$O:C_{10}H_6:NOMe$(?)	„	....	93	Goldschmidt and Schmid	B., 18, 2225	
„ β- „ -α- „	„	„	....	95	Fuchs	B., 8, 630	
„ α- „ -α- „	....	„	....	98–100	Goldschmidt and Schmid	B., 18, 2226	
?	$C_{10}H_6:O_2:NMe$	„	....	225	Zincké	B., 12, 1646	**38**, 49
Methamido-α-naphthaquinone	$C_{10}H_6(NHMe):O_2$	„	....	232 u.c.	Plimpton	....	**37**, 640
Amido-α-naphthoic acid	$C_{10}H_6(NH_2).CO_2H$	„	fr. C_2H_6O	*211–212 u.c.*	Ekstrand	B., 18, 78	**48**, 548
„ -α- „ „	„	„	fr. H_2O	198–199	„	„	„
„ -α- „ „	„	„	sb. a. 212	a.s. 196	„	„	„
„ -β- „ „	„	„	isomeric	211 u.c.	„	B., 18, 1206	**48**, 905
„ -β- „ „	„	„	„	219 u.c.	„	B., 18, 1207	„
„ -β- „ „	„	„	„	232 u.c.	„	B., 18, 1208	„
Acetoxyquinoline	$N.OAc=\alpha_1$; α_1	„	abt. 280 u.c.	Liquid —20	Skraup	M. C., 3, 541	**44**, 93
„	„ $=\alpha_1$; β_2	„	298 u.c.	36–38	„	M. C., 3, 555	„
Quinoline betaïne	....	„	cf. B., 15, 1254	171 d ; u.c.	Rhoussopoulos	B., 15, 2007	**44**, 96
Hydroxyquinoline methyl-ketone	$N.OH.Ac=\alpha_1\beta_1\beta_2$;	„	....	232	Friedländer and Göhring	B., 16, 1838	**44**, 1149
Methylquinoline carboxylic acid	$N.Me.CO_2H=\alpha_1\beta_2\beta_1$;	„	....	140	Döbne and Miller	B., 17, 1715	**46**, 1376
„ „	„ „	„	....	*143–144*	„	B., 18, 1641	**48**, 1079
Lepidine carboxylic acid	„ $=\alpha_1\alpha_2\beta_1$;	„	....	182 d.	Besthorn & Fischer	B., 16, 70	**44**, 600
„ „ „	„ $=\alpha_1\beta_1\beta_2$;	„	....	234	Friedländer and Göhring	B., 16, 1857	**44**, 1149
Quinaldine carboxylic acid	„ $=\alpha_1\beta_1$; α_1	„	....	151	Döbner and Miller	B., 17, 943	**46**, 1200
„ „ „	„ $=\alpha.\beta_1$; β_2	„	brown 240	259 d.	„	B., 17, 939	
„ „ „	„ $=\alpha_1\beta_1$; β_1 or α_2	„	brown 275	285 d.	„	B., 17, 941	
Nitrocinnamylacraldehyde	$NO_2.(CH:CH.CH:CH.CHO)=1.2$	$C_{11}H_9O_3N$	....	153	Einhorn	B., 17, 2027	**46**, 1345
Acetyl-p-methylpseudisatin	....	„	....	172	Duisberg	B., 18, 197	**48**, 544
Phthalylpropionamide	$C_6H_4:(CO)_2:C_2H_3.CO.NH_2=1.2$	„	....	193–195	Gabriel and Michael	B., 11, 1014	**34**, 735
Indogenide of pyroracemic acid	$NH.C_6H_4.CO.C:CMe.CO_2H=1.2$	„	....	197	Baeyer	B., 16, 2199	**46**, 76
Phthalomethimidylacetic acid	$NMe.CO.C_6H_4.C:CH.CO_2H=1.2$	„	....	212 d.	Gabriel	B., 18, 2453	**48**, 1228
Quininic acid	$C_9H_5N(OMe).CO_2H$	„	....	280 d.	Skraup	M. C., 2, 592	**42**, 221
„ „	„	„	....	280	Forst & Böhringer	B., 15, 521	**42**, 982
Ethylic nitrophenylpropiolate	$NO_2.(C:C.CO_2Et)=1.2$	$C_{11}H_9O_4N$	....	60–61	Baeyer	B., 13, 2259	**40**, 275
„ „	„ $=1.4$	„	....	126	Drewsen	A., 212, 156	**42**, 847
Ethylic isatogenate	$CO.C_6H_4.N.O.C.CO_2Et$	„	cf. B., 15, 780	115	Baeyer	B., 14, 1741	**42**, 198
Nitrocinnamylacrylic acid	$NO_2.(CH:CH.CH:CH.CO_2H)=1.2$	„	....	217·5	Diehl and Einhorn	B., 18, 2331	**48**, 1223
Succinylamidobenzoic acid	$C_2H_4:(CO)_2:N.C_6H_4.CO_2H=1.3$	„	....	235	Pellizzari	B., 18, 215	**48**, 534
„ „	„ „	„	....	235	Muretow	B., 5, 330 ; J. R., 4, 295	**25**, 1097 ; **vii.**, 1103
Benzylpurpuric acid	$Ph.CH_2C(NO):(CO.NH):CO$	$C_{11}H_9O_4N_3$	....	226	Conrad & Guthzeit	B., 15, 2849	**44**, 315
Nitrobenzoyltrimethylene-carboxylic acid	$CH_2.CH_2.C(CO_2H).CO.C_6H_4.NO_2=1.4$	$C_{11}H_9O_5N$	....	176	Perkin & Bellenot	B., 18, 960	**48**, 795
Nitrophenylparaconic acid	$NO_2.(CH:CH.CH_2.CO_2H)'=1.3$	$C_{11}H_9O_6N$	....	171	Solomonson	B., 18, 2155	**48**, 1224
„ „	„ $=1.4$	„	....	163	„	„	„
Phenylfurfurazide	$Ph.N_2H:C_6H_4O$	$C_{11}H_{10}ON_2$	....	*96*	Fischer	B., 10, 1332 ; A., 190, 137	**32**, 887; **34**, 31
„	„	„	....	97–98	„	B., 17, 572	**46**, 1150
?	$Ph.C:N.C(OH).CH.CMe:N$	„	....	215·5–216	Pinner	B., 17, 2519	**48**, 159

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dic. & J. Ch. Soc.
α-naphthyl carbamide	$C_{10}H_7$.NH.CO.NH_2	$C_{11}H_{10}ON_2$	cf. A., 101, 90	d.w.m. 250	Pagliani	B., 12, 386	
β- " "	"	"	....	287	Cosiner	B., 14, 62	**40**, 606
Benzenylazoximepropenyl carboxylic acid	O.N : CPh.N : C.$(CH_2)_2$.CO_2H	$C_{11}H_{10}O_3N_2$	....	120	Schulz	B., 18, 2459	**48**, 1219
Benzenyl barbituric acid	Ph.CH_2.CH : $(CO.NH)_2$: CO	"	....	206	Conrad & Guthzeit	B., 15, 2846	**44**, 314
Diacetylhydrazine benzoic anhydride	C_6H_4.CO.NAc.NAc=1.2	"	....	112	Fischer and Renouf	A., 212, 336	**42**, 1069
Hydroxycarboxytoluquinoxaline ureïde	HO.C : N.C_7H_6.N : C.CO.NH. CO.NH_2	$C_{11}H_{10}O_3N_4$	brown 250	258	Hinsberg.	B., 18, 1231	**48**, 909
Nitraniline furfurol	NO_2.$(NH.C_5H_5O_2)$=1.3	$C_{11}H_{10}O_4N_2$	....	100–120 d.	Schiff	A., 201, 357	
Pyrotartaronitranil	NO_2.$(N : C_5H_5O_2)$=1.4	"	....	155	Arppe	A., 87, 228; 90, 144	iv., 775
Nitrophenyl β-acetylalanine lactam	NO_2.$(CH.CH_2$.CO.NAc)=1.2	"	....	172	Einhorn	B., 16, 2648	**46**, 305
Ethylic nitrosoindoxylate (?)	....	"	....	121	Baeyer	B., 15, 781	
Nitrosoethylindoxylic acid (?)	....	"	....	200 d.	"	B., 14, 1743	
Toluoquinoxaline oxalate	C_6H_3Me.N : CH.CH : N =1.3.4+$C_2H_2O_4$	"	....	135–136	Hinsberg	B., 17, 321	**46**, 1053
Nitrotolylsuccinimide	Me.NO_2.$(N : C_2O_2 : C_2H_4)$ =1.?.4	"	....	140	Taylor	B., 8, 1225; A., 209, 379	**29**, 602; **42**, 181
Ethylic nitrosoindoxanthinate	NH.C_6H_4.CO.C(OH).CO_2Et	$C_{11}H_{10}O_5N_2$	....	113 d.	Baeyer	B., 15, 777	**42**, 1101
Ethylic dinitrocinnamate	NO_2.[CH : $C(NO_2)$.CO_2Et] =1.3	$C_{11}H_{10}O_6N_2$	....	?	Friedländer and Lazarus	A., 229, 233	**48**, 1138
" "	" =1.4	"	....	109–110	Friedländer & Mähly	A., 229, 210; B., 16, 850	**48**, 1137
" "	" "	"	....	109–110	Friedländer	B., 14, 2576	**42**, 402
Ethylic nitroso-nitrobenzoyl-acetate	NO_2.[CO.CH(NO).CO_2Et] =1.4	"	....	220	Perkin & Bellenot	B., 17, 328	**46**, 1024
Acetylmethylketole	C_6H_4.CH : CMe.NAc=1.2	$C_{11}H_{11}ON$	....	195–196	Jackson	B., 14, 880	**40**, 734
Ethylcarbostyril	C_6H_4.NEt.CO.CH : CH=1.2	"	250 s.d.	Liquid	Friedländer & Ostermeier	B., 14, 1917	**42**, 201
" "	" "	"	255–256	Liquid	"	B., 15, 335	**42**, 732
Ethylpseudocarbostyril	" "	"	....	53–55	Friedländer and Weinberg	B., 18, 1530	**48**, 989
Ethylcarbostyril	C_6H_4.NH.CO.CEt : CH=1.2	"	....	168	Baeyer & Jackson	B., 13, 121	**38**, 407
Dimethylpseudoquinoxyl	C_6H_4.NMe.CMe : CH.CO=1.2	"	....	132	Knorr and Antrick	B., 17, 2877	**48**, 274
Ethoxyquinoline	N.OEt=a_1 ; a_1	"	285–287 (718)	s. in Winter	Fischer	B., 16, 717	**44**, 1146
Methoxytoluquinoline ...	N.Me.OMe=a_1 ; a_1a_2	"	225–230	Liquid	Herzfeld	B., 17, 1551	**46**, 1199
Methoxyquinaldine	" =$a_1\beta_1$; a_1	"	282	125	Döbner and Miller	B., 17, 1707	**46**, 1374
Toluene hydroxyquinaldine	N.Me.OH.Me=$a_1\beta_1a_2$; a_1	"	....	185	Knorr	B., 17, 542	**46**, 1198
Pyrotataranil	CO.CHMe.CH_2.CO.NPh	$C_{11}H_{11}O_2N$	300 p.d.	98	Arppe	A., 90, 139	iv., 774
"	"	"	....	104	Chiozza	A., 91, 105	
Ethylindolecarboxylic acid....	Ph.NMe.N : CMe.CO_2H	"	....	183	Fischer and Hess	B., 17, 566	**46**, 1181
Tolylsuccinimide	Me.$(N.CO.C_2H_4.CO)$=1.2	"	345	75	Becchi	B., 12, 25	**36**, 462
"	" "	"	*338–340* (733)	*75*	"	B., 12, 321	**36**, 527
"	" "	"	....	75	Michael	B., 10, 579	
"	" =1.4	"	....	150	Taylor	B., 8, 1225; A., 209, 378	**29**, 602; **42**, 181
"	" "	"	....	150	Sell	A., 126, 164	
"	" "	"	344–345 (733)	51	Becchi	B., 12, 321	**36**, 527
Ethylic amidophenylpropiolate	NH_2.$(C : C.CO_2Et)$=1.2	"	....	55	Baeyer and Bloem	B., 15, 2148	**44**, 196
Amidocinnamylacrylic acid....	NH_2.(CH : CH.CH : CH. CO_2H)=1.2	"	....	176·5	Diehl and Einhorn	B., 18, 2333	**48**, 1223
Ethyl-p-methyl pseudisatin....	....	"	....	109–110	Duisberg	B., 18, 199	**48**, 545
Ethyloxycarbostyril	....	"	....	73	Friedländer & Ostermeier	B., 14, 1919	**42**, 202

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Kairocoll (quinoline compound)	....	$C_{11}H_{11}O_2N$	....	66	Fischer	B., 16, 719	**44**, 1147
Benzenylazoxime propenyl carboxylamide	$O.N:CPh.N:C.(CH_2)_2.CO.NH_2$	$C_{11}H_{11}O_2N_3$	....	168	Schulz	B., 18, 2463	**48**, 1219
Isonitrosoantipyrine....	$C_6H_4.N.NMe.CMe.CH(NO).CO=1.2$	„	explodes 200	cryst.	Knorr	B., 17, 2039	**46**, 1378
Ethylic nitrosobenzoylacetate	$HO.N:CBz.CO_2Et$	$C_{11}H_{11}O_3N$	....	120–121	Perkin	....	**47**, 244
Itaconanilic acid	....	„	....	189 d.	Gottlieb	A., 77, 284	
Acetamidocinnamic acid	$NHAc.(CH:CH.CO_2H)=1.4$	„	....	259–263	Gabriel & Herzberg	B., 16, 2041	**44**, 1123
„ „	„ „	„	....	259–260	Herzberg	C. C. [1884], 35	**48**, 662
Ethylic indoxylate	$N.C_6H_4.C(OH).CH.CO_2Et=1.2$	„	....	120–121	Baeyer	B., 14, 1742	**42**, 198
Ethylindoxylic acid	$N.C_6H_4.C(OEt).CH.CO_2H=1.2$	„	....	160	„	B., 14, 1743	„
Nitrosoanilidopyrotartarimide	$NPh(NO).CMe.CO.NH.CO.CH_2$	$C_{11}H_{11}O_3N_3$	....	173	Wechsler	B., 18, 1044	**48**, 900
Nitroantipyrine	$C_6H_4.N.NMe.CMe.CH(NO_2).CO=1.2$	„	....	270–280	Knorr	B., 17, 2040	**46**, 1378
Ethylic nitrosobenzoylacetate	$HO.N:CBz.CO_2Et$	$C_{11}H_{11}O_4N$	....	121–122	Baeyer and Perkin	B., 16, 2133	**46**, 64
Ethylic nitrocinnamate	$NO_2.(CH:CH.CO_2Et)=1.2$	„	....	*42*	Beilstein and Kuhlberg	A., 163, 131	**25**, 709
„ „	„ „	„	....	42	Müller	A., 212, 127	**42**, 841
„ „	„ „	„	....	44	Baeyer	B., 13, 2257	**40**, 274
„ „	„ =1.3	„	cf. B. 11, 1783	*78–79*	Schiff	G. I., 8, 294	**36**, 321
„ „	„ =1.4	„	....	136	Mitscherlich	....	**i.**, 988
„ „	„ „	„	....	137	Müller	A., 212, 127	**42**, 841
„ „	„ „	„	....	*138·5*	Beilstein and Kuhlberg	A., 163, 128; Z. C. [2], 7, 489	**vii.**, 348
Diactamidobenzoic acid	$NAc_2.CO_2H=1.2$	„	....	220	Bedson and King	....	**37**, 757
?	$NHMe.CO.C_6H_4.CO.CH_2.CO_2H$	„	....	145 p.d.	Gabriel	B., 18, 2452	**48**, 1228
Ethylic indoxanthinate	$NH.C_6H_4.CO.C(OH).CO_2Et=1.2$	„	....	107	Baeyer	B., 15, 775	**42**, 1101
Acetyl-p-methylisatic acid	....	„	....	172 d.	Duisberg	B., 18, 198	**48**, 544
Ethylic nitrobenzoylacetate	$NO_2.(CO.CH_2.CO_2Et)=1.4$	$C_{11}H_{11}O_6N$	....	49–50	Perkin & Bellenot	B., 17, 327	**46**, 1024
Ethylic benzamoxalate	$CO_2H.(NH.CO.CO_2Et)=1.2$	„	....	180–181	Baeyer	B., 15, 777	**42**, 1101
„ „	„ =1.3	„	....	225	Schiff	B., 17, 402	**46**, 906
Benzamsuccinic acid....	$CO_2H.(NH.CO.C_2H_4.CO_2H)=1.3$	„	....	*222–223*	Pellizzari	B., 18, 215	**48**, 534
„ „	„ „	„	....	230	....	J. R., 4, 295	
„ „	„ =1.4	„	....	225–226	Michael	B., 10, 578	**32**, 616
Nitrotolylazoacetoacetic acid	$Me.NO_2.(N_2.CHAc.CO_2H)=1.3.4$	$C_{11}H_{11}O_5N_3$	....	176	Bamberger	B., 17, 2421	**48**, 157
-nitro-orcyldiglycollic acid....	...	$C_{11}H_{11}O_8N$	....	140	Saarbach	J. p. [2], 21, 170	
Benzenylazoximebutenyl	$Ph.C:N.O.CPr^a:N$	$C_{11}H_{12}ON_2$	265	Liquid	Schulz	B., 18, 1085	**48**, 897
Dimethyloxyquinizine	....	„	....	113	Knorr	B., 17, 549	**46**, 1153
„	$C_6H_4.N.NH.CMe.CHMe.CO=1.2$	„	....	127–132	Knorr and Blank	B., 17, 2050	**46**, 1380
Tolumethyloxyquinizine	$C_6H_3Me.N.NH.CMe.CHMe.CO=1.2.3$	„	....	183	Knorr	B., 17, 550	**46**, 1153
„ ...	„ =1.4.5	„	....	140	„	„	„

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Anilidopyrotartarimide	CO.NH.CO.CH_2.CMe.NHPh	$C_{11}H_{12}O_2N_2$	....	150	Wechsler	B., 18, 1040	**48**, 900
Ethylquinazol carboxylic acid	C_8H_6N(:NEt).CO_2H	„	....	126	Fischer and Kuzel	A., 221, 261	**46**, 442
„ „ „	v. B., 16, 653	„	....	*131*	„ „	B., 16, 654	**44**, 812
Nitrosomethyldiacetamidobenzene	NAc_2.(CH_2.NO)=1.2	$C_{11}H_{12}O_3N_2$	....	127·5–128·5	Gabriel and Meyer	B., 14, 2340	**42**, 189
Nitrosoethylamidocinnamic acid	NEt(NO).(CH:CH.CO_2H) =1.2	„	....	149 d.	Fischer	B., 14, 482	**40**, 599
„ „	„ „	„	cf. B., 16, 654	150 d.	Fischer and Kuzel	A., 221, 261	**46**, 440
Azotoluene acetacetic acid	Me.(N_2.CHAc.CO_2H)=1.4	„	....	180–190 d.	Zublin	B., 11, 1419	**34**, 880
Quinoline ethylic nitrate	C_9H_7N+Et.O.NO_2	„	....	89 u. c.	Claus and Tosse	B., 16, 1278	**44**, 1009
Ethylic benzoylallophanate...	NHBz.CO.NH.CO_2Et	$C_{11}H_{12}O_4N_2$	....	163	Kretschmar	B., 8, 104; C. C. [1876], 233	**28**, 563; **31**, 615
Hippuramidoacetic acid	NHBz.CH_2.CO.NH.CH_2 CO_2H	„	....	206·5	Curtius	J. p. [2], 24, 239; 26, 175	**40**, 1144; **44**, 338
Ethylic amidobenzamoxalate	(CO.NH_2).(NH.CO.CO_2Et) =1.3	„	....	191·5	Schiff	B., 17, 402	**46**, 906
Benzamsuccinamide	CO_2H.(NH.CO.C_2H_4.CO. NH_2)=1.3	„	....	228–229	Pellizzari	B., 18, 214	**48**, 533
Ethylic α-nitramidocinnamate	NO_2.NH_2.(CH:CH.CO_2Et) =?.2.1	„	....	158–160	Friedländer and Lazarus	A., 229, 233	**48**, 1139
Nitrophenyl-β-acetylalanine	NO_2.(CH.CH_2.CO.O.NH_2Ac) =1.4	$C_{11}H_{12}O_5N_2$	....	*141–142*	Einhorn	B., 16, 2647	**46**, 305
„	„ „	„	....	146–150	Basler	B., 17, 1496	**46**, 1173
Pyrotartaronitranilic acid	NO_2.(NH.$C_5H_6O_2$.OH)=1.4	„	....	150+	Arppe	A., 87, 228; 90, 145	iv., 775
Ethylic nitrotolyloxamate	Me.NO_2.(NH.CO.CO_2Et) =1.3.4	„	....	127–128	Hinsberg	B., 15, 2691	**44**, 323
Nitroacetamidohydrocinnamic acid	NHAc.NO_2.(CH_2.CH_2.CO_2H) =1.2.4	„	....	174	Gabriel and Steudemann.	B., 15, 844	**42**, 1073
Ethylic dinitrohydrocinnamic acid	$(NO_2)_2$.(CH:CH.CO_2Et) =1.2.4.(?)	$C_{11}H_{12}O_6N_2$	....	32	Gabriel and Zimmermann	B., 12, 601	**36**, 640
Methylic nitrophenylmethoxynitropropionate	NO_2.[CH(OMe).CH(NO_2). CO_2Me]=1.4	$C_{11}H_{12}O_7N_2$	....	117 118	Friedländer and Mähly	A., 229, 210; B., 16, 852	**48**, 1138
Ethylic dinitroethoxybenzoate	CO_2Et.OEt.$(NO_2)_2$=1.2.$(?)_2$	„	....	49	Salkowski	A., 173, 51	
„ „	„ =1.4.$(?)_2$	„	....	59	„	B., 4, 653; A., 163, 48	**24**, 920; **25**, 716
Methylic methoxydinitrohydrocinnamic acid	OMe.$(NO_2)_2$.(CH_2.CH_2. CO_2Me)=1.2.6.4	„	....	53	Stöhr	A., 225, 57	**46**, 1350
Ethoxydinitrohydrocinnamic acid	OEt.$(NO_2)_2$.(CH_2.CH_2.CO_2H) =1.2.6.4	„	....	126	„	„	„
Trinitroethoxyphenylurethane	OEt.$(NO_2)_3$.(NH.CO_2Et) =1.$(?)_3$.4	$C_{11}H_{12}O_9N_4$	....	211–212 d.	Köhler	J. p. [2], 29, 257	**46**, 1161
Phenylangelamide	Ph.C_4H_6.CO.NH_2	$C_{11}H_{13}ON$	....	128	Perkin	J. [1877], 790	
Acetylhydromethylketole	C_6H_4.CH_2.CHMe.NAc=1.2	„	....	55–56	Jackson	B., 14, 883	**40**, 735
Ethoxytetrahydroquinoline...	NH.H_3.OH=$\alpha_1\beta_1\beta_2\alpha_2$; α_1	„	275–276(716)	Liquid	Fischer	B., 16, 718	**44**, 1146
Acetyltetrahydroquinoline	....	„	295	Liquid	Wischnegradsky	B., 13, 2400; B.S. [2], 34, 339	**40**, 444
„	....	„	295	Liquid	Hoffmann & Königs	B., 16, 734	**44**, 1144
Ethyldihydrocarbostyril	$C_6H_4CH_2$.CHAc.CO.NH =1.2	„	....	87–88; a.f. 76	Baeyer and Jackson	B., 13, 120	**38**, 407
„	v. B., 15, 377, 2104	„	....	199	Friedländer and Ostermeier	B., 15, 336, 2103	**42**, 732
Isonitrosoacetophenone acetone	Ph.CO.$(CH_2)_2$.CMe:NOH or Me.CO.$(CH_2)_2$.CPh:NOH	$C_{11}H_{13}O_2N$	....	122–123	Paal	B., 16, 2868	**46**, 599
Ethylic amidocinnamate	NH_2.(CH:CH.CO_2Et)=1.2	„	....	77–78	Friedländer and Weinberg	B., 15, 1422	**42**, 1209
Ethamidocinnamic acid	NHEt.(CH:CH.CO_2H)=1.2	„	....	125	„	B., 15, 1423	
„ „	„ „	„	....	125	Fischer and Kuzel	A., 221, 261	**46**, 440

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Isobutylene-m-amidobenzoic acid	....	$C_{11}H_{13}O_2N$	d. 190	145–150	Schiff	A., 210, 118	**42**, 304
Isopropylnitrostyrene	$(CH:CH_2).NO_2.Pr^{\beta}=1.2.4$	„	....	L.f.m.	Einhorn and Hess	B., 17, 2025	**46**, 1353
Methyltetrahydrocinchonic acid	....	„	....	125	Weidel and Hazura	M. C., 5, 643	**48**, 562
„ „	....	„	....	169–170 d.	Weidel	M. C., 3, 66	**42**, 532
Methyltetrahydroquinoline carboxylic acid	$N.CO_2H=\alpha_1$; β_1 or α_2	„	....	164	Fischer and Körner	B., 17, 766	**46**, 1197
?	....	„	310 p.d.	122	Bruyn	R. T., 2, 205	**48**, 657
Ethylic malonanilidate	$NHPh.CO.CH_2.CO_2Et$	$C_{11}H_{13}O_3N$	....	38–39	Rugheimer and Hoffmann	B., 17, 740	**46**, 1023
Ethylic hippurate	$NHBz.CH_2.CO_2Et$	„	....	44	Stenhouse	A., 31, 148	iii., 162
„ „	„	„	....	60	Curtius	B., 17, 1663	**46**, 1348
„ „	„	„	....	60·5	„	J. p. [2], 26, 145	**44**, 339
„ „	„	„	....	60·5	Campani & Bizzarri	G. I., 10, 257	**38**, 870
„ „	„	„	a. 180 p.d.	*60·5*	Conrad	J. p. [2], 15, 246	**32**, 484
Pyrotartranilic acid	....	„	A., 91, 106	147	Arppe	A., 90, 141; 91, 106	
Ethylic tolyloxamate	$Me.(NH.CO.CO_2Et)=1.4$	„	....	66–67	Klinger	A., 184, 285	**31**, 712
Tolylsuccinamic acid	$Me.[NH.CO.(CH_2)_2.CO_2H]=1.2$	„	....	91	Bechi	B., 12, 322	**36**, 528
„ „	„ $=1.4$	„	....	157	„	„	„
Acetamidohydrocinnamic acid	$NHAc.(CH_2.CH_2.CO_2H)=1.4$	„	....	143	Gabriel and Steudemann	B., 15, 844	**42**, 1073
Hippurylamidoacetamide	$NHBz.CH_2.CO.NH.CH_2.CO.NH_2$	$C_{11}H_{13}O_3N_3$	....	202	Curtius	J. p. [2], 26, 194	**44**, 339
Diazoimidoethoxyphenylurethane	$N:N.C_6H_3(OEt).N.CO_2Et$	„	....	b. 100	Köhler	J. p. [2], 29, 257	**46**, 1160
Amidotolylazo-acetacetic acid	$Me.NH_2.(N_2.CHAc.CO_2H)=1.3.4$	„	....	162	Bamberger	B., 17, 2421	**48**, 158
Diacetdiamidobenzamide	$(NHAc)_2.(CO.NH_2)=1.3.5$	„	....	a. 265	Muretow	Z. C. [2], 6, 642	vii., 130
Anilidopyrotartaric acid	$CO_2H.CMe(NHPh).CH_2.CO_2H$	$C_{11}H_{13}O_4N$	....	101–102	Wechsler	B., 18, 1048	**48**, 900
Ethylic nitrohydrocinnamate	$NO_2.(CH_2.CH_2.CO_2Et)=1.2$	„	....	Liquid	Gabriel and Zimmermann	B., 13, 1681	
„ „	„ $=1.4$	„	....	33–34	Beilstein and Kuhlberg	A., 163, 133; Z. C. [2], 7, 487	**25**, 300; vii., 348
Nitrotolylisobutyric acid	$Me.NO_2.(CH_2.CHMe.CO_2H)=1.2.5$	„	....	139	Effront	B., 17, 2326	**48**, 152
Ethylic nitromesitylenate	$CO_2Et.Me_2.NO_2=1.3.5.2$	„	....	64–65	Schmitz	A., 193, 167	**36**, 156
„ „	„ $=1.3.5.4$	„	....	72	Fittig	A., 147, 50	vi., 823
Methyldicarbocollidylium dehydride	v. B., 17, 1024	„	a. 360	81–82	Hantzsch	B., 17, 1023	**46**, 1045
„ „	„	„	....	92	„	„	„
Nitrodiacetdiamidotoluene	$Me.NO_2.(NHAc)=(?)_2.1.3$	„	....	n.f. 240	Tiemann	B., 3, 9	
„	„	„	....	253	Ladenburg	B., 8, 1211	**29**, 401
Diethylic chelidammate	$C(OH):N.C(CO_2Et).CH:C:CH.CO_2Et$	$C_{11}H_{13}O_5N$	$+H_2O$	80–81	Lerch	M. C., 5, 367	**48**, 46
Ethylic nitrophenyl-β-lactate	$NO_2.[CH(OH).CH_2.CO_2Et]=1.3$	„	....	56	Einhorn & Praunsnitz	B., 17, 1661	**46**, 1351
„ „	„ $=1.4$	„	....	45–46	„	„	„
„ „	„ „	„	....	45–46	Basler	B., 16, 3007	**46**, 604
o-Nitrophenyllactic aldehyde +acetic aldehyde	$C_6H_4(NO_2)[C_2H_3(OH).CHO]+CH_3.CHO$	„	....	125 p. d.	Baeyer & Drewsen	B., 16, 2205	**46**, 58
Ethylic ethoxynitrobenzoic acid	$CO_2Et.OEt.NO_2=1.2.3$	„	cf. A., 195, 35	Liquid	Hübner	B., 8, 1216	**29**, 593
„ „	„ $=1.2.5$	„	cf. A., 195, 15	98–99	„	B., 8, 1219	„
Ethylic nitrohydrocoumarate	$OH.NO_2[(CH_2)_2.CO_2Et]=1.2.4$	„	....	30	Stöhr	A., 225, 57	**46**, 1350
Nitrodiethoxybenzaldehyde	$(OEt)_2.NO_2.CHO=1.4.?.5$	„	....	129–130	Hantzsch	J. p. [2], 22, 472	**40**, 167
Methoxyisopropylnitrobenzoic acid	$Pr^{\beta}.OMe.NO_2.CO_2H=?$	„	....	145–146	Paterno & Canzoneri	G. I., 10, 233	**38**, 884
Dinitroacetpseudocumidide....	$Me_3.NHAc.(NO_2)_2=1.3.4.(?)_3$	$C_{11}H_{13}O_5N_3$	....	204	Engel	B., 18, 2232	**48**, 1215

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitroacetmesidide	$Me_3.NHAc.(NO_2)_2$ =1.3.5.2.4.6	$C_{11}H_{13}O_6N_3$	cf. A., 179, 167	275	Ladenburg	B., 7, 1134	28, 63
"	" "	"	....	276	Ledoux	I. D. Gött., 1875	
Ethylic nitroveratrate	$CO_2Et.(OMe)_2.NO_2$=1.3.4.?	$C_{11}H_{13}O_6N$	....	99–100	Tiemann and Matsmoto	B., 9, 941; 11, 132	30, 524
Trinitrolaurol (?)	....	$C_{11}H_{13}O_6N_3$	....	84	Fittig and others	A., 145, 150	
Ethylic dinitroamidohydrocinnamate	$NH_2.(NO_2)_2.(CH_2.CH_2.CO_2Et)$=1.2.6.4	"	....	95	Stöhr	A., 225, 57	46, 1350
Dinitroethoxyphenylurethane	$OEt.(NO_2)_2.(NH.CO_2Et)$ =1.(?)$_2$.4	$C_{11}H_{13}O_7N_3$	....	141	Köhler	J. p. [2], 29, 257	46, 1161
Methyltrinitrothymol	$Me.Pr^{\alpha}.OMe.(NO_2)_3$ =1.4.5.2.3.6	"	....	92	....	Z. C. [1871], 415	
Diethyltrinitro-orcinol	$Me.(OEt)_2.(NO_2)_3$=1.3.5.2.4.6	$C_{11}H_{13}O_8N_3$	....	61·5	Stenhouse	P. R., 19, 410; Z. C. [1871], 229	24, 358; vii., 880
Ethylamidohydrocarbostyril	$C_6H_4.N(NHEt).CO.(CH_2)_2$ =1.2	$C_{11}H_{14}ON_2$	....	74	Fischer and Kuzel	A., 221, 261	46, 442
Ethylhydrocarbazostyril	$C_6H_4.(CH_2)_2.CO.NH.NEt$ =1.2	"	....	165·5	"	B., 16, 1452	44, 1132
Butyrylbenzenylamidoxime	$NH_2.CPh:NO.CO.Pr^{\alpha}$	$C_{11}H_{14}O_2N_2$	....	94	Schulz	B., 18, 1084	48, 897
Ethylic phenylhydrazinepyroracemate	$Ph.N_2H:CMe.CO_2Et$	"	....	114–115	Fischer & Jourdan	B., 16, 2243	46, 53
Tolylsuccinamide	$Me.(NH.CO.C_2H_4.CO.NH_2)$ =1.4	"	....	148	Bechi	B., 12, 321	36, 527
"	" =1.2	"	....	160	"	"	"
Diacetdiamidotoluene	$Me.(NHAc)_2$=1.2.5	"	....	219–220	Witt	....	35, 360
"	" "	"	cf. B., 10, 1157	220	Nietzki	B., 12, 2237	
"	" =1.2.4	"	....	221	Tiemann	B., 3, 8	
"	" "	"	....	222	Koch	A., 153, 132	
"	" "	"	....	223	Kelbe	B., 16, 1200	44, 916
"	" "	"	....	223	Hell and Schoop	B., 12, 724	36, 715
"	" "	"	....	*224*	Ladenburg	B., 8, 1211	29, 401
Nitroso-ethoxyhydroquinoline	N.OEt=α_1; α_1	"	....	113	Fischer and Renouf	B., 17, 759	46, 1049
Nitrosoethamidohydrocinnamic acid	$(NEt.NO).(CH_2.CH_2.CO_2H)$ =1.2	$C_{11}H_{14}O_3N_2$	....	78	Fischer and Kuzel	A., 221, 261; B., 16, 1451	44, 1132; 46, 440
Ethylic amidotolyloxamate....	$Me.NH_2.(NH.CO.CO_2Et)$ =1.2.4	"	....	168	Tiemann	B., 3, 222	
Nitracetopseudocumidide	$Me_3.NHAc.NO_2$=1.3.4.(?)$_2$	"	....	131	Engel	B., 18, 2231	48, 1215
"	" =1.3.4.6.5	"	....	193–194	Edler	B., 18, 629	48, 771
Nitracetomesidide	" =1.3.5.2.4	"	....	*182*	Ledoux	B., 8, 58	28, 569
"	" "	"	....	188	Ladenburg	B., 7, 1134	28, 63
Ethylic phenylhydroxyethenylamidoxime carbonate	$HO.CHPh.C(NH_2):N.O.CO_2Et$	$C_{11}H_{14}O_4N_2$	....	106–107	Gross	B., 18, 2480	48, 1218
Nitroethoxyphenylurethane	$OEt.NO_2.(NH.CO_2Et)$=1.?.4	$C_{11}H_{14}O_5N_2$	....	71	Köhler	J. p. [2], 29, 257	46, 1159
Diethylbenzamide	$C_6H_5.CO.NEt_2$	$C_{11}H_{15}ON$	280–282 c.	Liquid	Hallmann	B., 9, 846	30, 418
Acetylpropylanilide	$C_6H_5.NPr^{\alpha}Ac$	"	254 u. c.	56 u. c.	Claus and Roques	B., 16, 913	
Isovaleranilde	$C_6H_5.NH.(CH_2)_2.CHMe_2$	"	300	100	Schmidt and Sachtleben	A., 193, 102	36, 139
" (cf. A., 84, 109)	"	"	a. 220	115	Chiozza	A. C. [3], 39, 201	v., 975
"	"	"	....	115	Kelbe	B., 16, 1200	44, 916
Isobutylbenzaldoxime	$C_6H_5.CH:NOBu^{\beta}$	"	237–239 s.d.; u.c.	....	Petraczek	B., 16, 828	
Acetylethyltoluidide	$Me.NEtAc$=1.2	"	254–256	....	Reinhardt & Staedel	B., 16, 31	44, 578
Formamidoisobutylbenzene	$Bu^{\beta}.(NH.CHO)$=?	"	310–*316*	59	Gasiorowski & Merz	B., 18, 1009	48, 773
Acetamidopropylbenzene	$Pr^{\alpha}.NHAc$=1.4	"	....	87	Louis	B., 16, 108	
Acetamidoethyltoluene ...	$Me.Et.NHAc$=1.?.2	"	313–315	105–105·5	Benz	B., 15, 1651	42, 1284
Cymene carboxylamide	$Me.Pr^{\alpha}.(CO.NH_2)$=1.4	"	cf. B., 8, 442	138–139	Paterno and Spica	G. I., 9, 400	38, 163
Cyanocamphor	$C_{10}H_{14}.CN.OH$	"	250 p.d.	127–128	Haller	C. R., 87, 843	36, 329
Acetopseudocumidide	$Me_3.NHAc$=1.3.4.2 or 5	"	....	112	Engel	B., 18, 2230	48, 1215
"	" =1.3.4.6	"	....	*161*	Edler	B., 18, 629	48, 771
"	" "	"	....	161	Nölting and Baumann	B., 18, 1146	48, 893

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetomesidide	$Me_3.NHAc=1.3.5.6$	$C_{11}H_{15}ON$	....	210	Nölting & Baumann	B., 18, 1146	**48**, 893
"	" "	"	....	213–214	Ladenburg	B., 7, 1136	**28**, 64
"	" "	"	....	*216*	Biedermann and Ledoux	B., 8, 58	**28**, 569
"	" "	"	....	216–217	Ladenburg	A., 179, 173	
Tetrahydro-ethoxyquinoline	$N.OEt=a_1; a_1$	"	275–276(716)	Liquid	Fischer	B., 16, 718	
Tetrahydrohydroxyethyl quinoline	$N.OH=a_1; \beta_1$ or a_2	"	....	73	Riemerschmied	B., 16, 724	**44**, 1148
" "	$NEt.OH=a_1; a_1$	"	....	*76*	Fischer	B., 16, 717	
" "	" "	"	....	76	Fischer and Renouf	B., 17, 756	**46**, 1049
Tetrahydromethoxyquinaldine	$N.Me.OMe=a_1\beta_1; a_1$	"	270	Liquid	Döbner and Miller	B., 17, 1707	**46**, 1374
Benzenylethoximidoethyl ether	EtO.CPh : N.OEt	$C_{11}H_{15}O_2N$	238,u.c.; (o.p.) 128 (40)	Liquid	Tiemann & Krüger	B., 18, 742	**48**, 790
Ethylic ethylbenzoylhydroxamate	NEtBz.OEt	"	244 c. (755) p.d.	....	Gurke	A., 205, 273	**40**, 571
Ethylic ethylphenylcarbamate	$NEtPh.CO_2Et$	"	245–250	....	"	"	"
Isobutylic phenylcarbamate	$NHPh.CO_2Bu^\beta$	"	216	80	Mylius	B., 5, 973	**26**, 266; vii., 946
α-phenamidovaleric acid	$CHMe_2.CH(NHPh).CO_2H$	"	....	a. 110	Duvillier	A. C. (5), 21, 433	**40**, 713
Cumylic carbamate	$NH_2.CO_2.CH_2.C_6H_4Pr$	"	v. a. 200	88–89	Spica	G. I., 5, 394	**29**, 582
Ethylic tolylamidoacetate	$Me.(NH.CH_2.CO_2Et)=1.2$	"	272–278	Liquid —10	Ehrlich	B., 16, 204	**44**, 594
" "	" =1.3	"	....	68	"	B., 15, 2012	**44**, 54
" "	" =1.4	"	....	48–49	Meyer	B., 8, 1159	**29**, 402
Diethamidobenzoic acid	$NEt_2.CO_2H=1.3$	"	....	90	Griess	B., 5, 1040	**26**, 281; vii., 167
" "	" =1.4	"	....	188	Michler and Gradmann	B., 9, 1912	**32**, 334, 335
Cuminamidoacetic acid	$C_6H_4Pr.CH(NH_2).CO_2H(?)$	"	....	197 d.	Plöschl	B., 14, 1317	**42**, 515
Ethylic xylylcarbamate	$NH(C_8H_9).CO_2Et$	"	....	58	Hofmann	B., 3, 657; P. R., 19, 108	**24**, 139; vii., 253
Acetamidoethoxytoluene	Me.OEt.NHAc=1.4.5	"	....	106·5	Kayser	B., 15, 1135	**42**, 1203
"	" "	"	....	106·5	Staedel	A., 217, 221	**44**, 866
"	" =1.2.5	"	....	108	"	A., 217, 218	"
"	" "	"	....	108	Kayser	B., 15, 1135	**42**, 1203
"	" =1.3.?	"	....	114	"	"	"
"	" "	"	....	114	Staedel	A., 217, 220, 222	**44**, 866
Methamidothymoquinone	$Me.Pr^\alpha.NHMe:O_2=1.4.(?)_3$	"	....	74	Zincke	B., 14, 97	**40**, 596
Ethylic collidine carboxylate	$C_5HNMe_3.CO_2Et$	"	256	Liquid	Michael	A., 225, 121	**48**, 61
Toluidine diacetamide	$C_6H_4Me.N(CH_2.CO.NH_2)_2 =1.4$	$C_{11}H_{15}O_2N_3$	....	250	Meyer	B., 8, 1163	**29**, 402
Ethylic ethoxyphenylcarbamate	$OEt.(NH.CO_2Et)=1.4$	$C_{11}H_{15}O_3N$	250–270 p.d.	94	Köhler	J. p. [2], 29, 257	**46**, 1159
Methylic dimethamidoanissate	$CO_2Me.OMe.NMe_2=1.4.?$	"	288	Liquid	Griess	B., 6, 588	**26**, 1146; vii., 188
Ethylanhydracetdiamidotoluene nitrate	$C_6H_3Me.N:CMe.NHEt.NO_3$	$C_{11}H_{15}O_3N_3$	....	93	Hübner	A., 210, 328	**42**, 505
Ethylic amidoveratrate	$CO_2Et.(OMe)_2=1.3.4.$	$C_{11}H_{15}O_4N$	....	88–89	Matsmoto	B., 11, 135	**34**, 502
Diethylic ethylcyanurdicarboxylate	$C_3EtO_3N_3(CO_2Et)_2$	$C_{11}H_{15}O_7N_3$	....	123	Wurtz and Henninger	C. R., 100, 1419	**48**, 969
Diethylphenylcarbamide ...	$NHPh.CO.NEt_2$	$C_{11}H_{16}ON_2$	....	85	Gebhardt	B., 17, 3039	**48**, 383
Cuminylcarbamide	$C_6H_4Pr.(CH_2.NH.CO.NH_2) =?$	"	....	133	Raab	B., 8, 1151	**29**, 398
Acetyltrimethdiamidobenzene	$NMe_2.NMeAc=1.4$	"	....	95	Wurster & Schobig	B., 12, 1811	**38**, 111
" "	" "	"	$+xH_2O$	78	"	"	"
Acetyldimethdiamidotoluene	$Me.NMe_2.NHAc=1.3.4$	"	....	158	Wurster and Riedel	B., 12, 1801	**38**, 109
Isocymyl carbamide	$Me.Pr^\beta.(NH.CO.NH_2)=1.3.?$	"	....	176	Kelbe and Warth	A., 221, 157	**46**, 47
Ethylanhydracetdiamidotoluene hydrate	$C_6H_3Me.N:CMe.NHEt(OH)$	"	....	93	Hübner	A., 210, 328	**42**, 505
" "	" "	"	$+2H_2O$		"	"	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic α-phenylhydrazido-propionate	$NH_2.NPh.CHMe.CO_2Et$	$C_{11}H_{16}O_2N_2$	....	116	Reissert	B., 17, 1456	46, 1152
Pilocarpin	....	„	....	159	Blyth	....	33, 317
Ethylic amidoethoxyphenyl carbamate	$OEt.NH_2.(NH.CO_2Et)$=1.?.4	$C_{11}H_{16}O_3N$	....	88	Köhler	J. p. [2], 29, 257	46, 1160
„ „	„ =1.?.4	„	....	121	„	„	46, 1161
Diethoxy-oxydimethylpurin	$C_5N_4Me_2O(OEt)_2$	$C_{11}H_{16}O_3N_4$	....	126–127	Fischer	B., 17, 337	46, 997
Ethoxyethyltheobromin	$C_7H_6EtN_2O_4.OEt$	$C_{11}H_{16}O_6N_2$	....	155	„	A., 215, 306	44, 357
Furfurol diurethane....	$C_4H_3O.CH(NH.CO_2Et)_2$	„	....	169	Bischoff	B., 7, 1081	
Ethylphenylpropylalkine	$NPhEt.C_3H_6.OH$	$C_{11}H_{17}ON$	261–263	....	Laun	B., 17, 678	46, 1011
Acetylcyanethine	$C_9H_{13}N_2.NHAc$	$C_{11}H_{17}ON_3$	....	59	Meyer	J. p. [2], 30, 115	48, 140
Dioxyethene toluidine	$C_6H_4Me.N(C_2H_4.OH)_2$=1.4	$C_{11}H_{17}O_2N$	338–340	Liquid	Demole	A., 173, 137; B., 7, 638	27, 904
Phoronimide	$O.CMeBu^{\beta}.CH_2.CMe.CO.$ NH.CO	$C_{11}H_{17}O_3N$	....	205	Pinner	B., 14, 1080	40, 797
Ethoxycyanconiine	$C_9H_{12}N(NH).OEt$	$C_{11}H_{19}ON_2$	229–231	Liquid	Meyer	J. p. [2], 22, 277	40, 55
Ethylhydroxycyanconiine	$C_9H_{17}N(NEt).OH$	„	267–268	43	„	J. p. [2], 26, 350	44, 353
Ethoxyhydroxycyanconiine....	$C_9H_{12}(OEt)N_2.OH$	$C_{11}H_{19}O_2N_2$	....	51	Riess	J. p. [2], 30, 145	48, 235
?	....	„	....	a. 320	Pinner	B., 14, 1077	40, 797
Ethoxycyanethine	$C_9H_{14}N_3.OEt$	$C_{11}H_{19}ON_3$	300	115	Riess	J. p. [2], 30, 145	48, 235
Borneol urethane	cf. C. R., 94, 869	$C_{11}H_{19}O_2N$	....	115	Haller	C. R., 93, 1511	42, 625
Gelsemine	$C_{24}H_{28}O_4N_2$(?)	(„ $)_2$(?)	....	b. 100	Sonnenschein	B., 9, 1185	31, 97
„	....	„	....	b. 100	Wormley	A. J., 1870, 42	vii., 552
„	cf. P.J.T. (3), 521, 561, 601	„	....	b. 100	Holmes	P. J. T. [3], 481	29, 942
„	$C_{12}H_{14}O_2N$(?)	„	....	45; sf. 38	Gerrard	B., 16, 798	
Phoronamide	$NH_2.CO.CMe.CH_2.CMe(.O).$ $CH_2.CMe_2.CO.NH_2$	$C_{11}H_{20}O_3N_2$	....	a. 300	Pinner	B., 14, 1079	40, 797
Valerodiacetonamine	$Bu^{\beta}.CH.CH_2.CO.CH_2.$ $CMe_2.NH$	$C_{11}H_{21}ON$	....	21; sf. 15	Antrick	A., 227, 365	48, 502
Menthol urethane	....	$C_{11}H_{21}O_2N$	d. 200	165	Arth	C. R., 94, 872	42, 1213
Conylurethane	$C_8H_{16}N.CO_2Et$	„	245	....	Schotten	B., 15, 1947	44, 220
Ethylic oxyheptinamate	$C_7H_9O(OEt)_2.NH_2$	$C_{11}H_{21}O_3N$	....	87	Demarçay	A. C. [5], 20, 494	
Isovaleral diurethane	$C_5H_{10}(NH.CO_2Et)_2$	$C_{11}H_{22}O_4N_2$	....	126	Bischoff	B., 7, 633, 634	27, 891
Amidocamphoronamide $+C_2H_6O$	....	$C_{11}H_{22}O_5N_2$	....	144–145	Hjelt	B., 13, 797	38, 670
Methylnonylacetoxime	$C_9H_{19}.CMe:NOH$	$C_{11}H_{23}ON$	cf. B., 17, 1575	42	Spiegler	M. C., 5, 241	46, 1115
Diisoamylcarbamide	$CO(NH.CH.CH_2.CHMe_2)_2$	$C_{11}H_{24}ON_2$	270	37–39	Custer	B., 12, 1331	36, 913
Tetraethylallylalkine	$(NEt_2)_2.C_3H_5.OH$	$C_{11}H_{26}ON_2$	234·5	Liquid	Berend	B., 17, 511	46, 1114
„	„	„	236–238	Liquid	Reboul	C. R., 97, 1488	46, 578
Euchroicacid (cf. P. A., 52, 610)	....	$C_{12}H_4O_8N_2$	$+2H_2O$	a. 280 d.	Wöhler	A., 37, 273; 66, 49	ii., 602
Hexanitrodiresorcinol	$C_{12}(NO_2)_6(OH)_4$	$C_{12}H_4O_{16}N_6$	....	d. w. m. 230	Benedikt & Julius	M. C., 5, 177	46, 1140
α-Tetranitrocarbazole	$C_{12}H_5(NO_2)_4N$	$C_{12}H_5O_8N_5$	cf. B., 15, 1760	308 d.	Ciamician & Silber	G. I. [1882], 272	42, 1104
β- „	„	„	cf. B., 15, 1760	nf. 320	„	„	„
γ- „	„	„	cf. B., 15, 1760	285 d.	„	„	„
Dipicrylamine (aurantia)	$NH[C_6H_2(NO_2)_3]_2$ =1.2.4.6; 1.4.$(?)_2$	$C_{12}H_5O_{12}N_7$	....	230 d.	Austen	A. J. S. [3], 13, 279	32, 759
„ „	„ „	„	....	233	Gnehm	B., 7, 1401	
„ „	„ „	„	....	233–234 d.	„	B., 7, 1400	
„ „	„ „	„	....	234 d.	Mertens	B., 11, 845	34, 725
„ „	„ „	„	....	238 d.	Gnehm	B., 9, 1245	
„ „	„ „	„	....	*238 d.*	Austen	B., 7, 1250	28, 165; 32, 761
„ „	„ =1.2.4.6; 1.3.$(?)_2$	„	cf. B., 7, 1249	261	„	A. J. S., 13, 279	28, 165; 32, 758
Dinitroazophenylene	....	$C_{12}H_6O_4N_4$	d.a. 131	131	Claus	B., 8, 40	28, 647
Dinitrodiphenylene oxide	....	$C_{12}H_6O_5N_2$	....	200	Hoffmeister	A., 159, 214	
Tetranitrodiphenyl	fr.$(.C_6H_4.NO_2)$=$(1.4)_2$	$C_{12}H_6O_8N_4$	....	140	Losanitsch	B., 4, 405	24, 509; vii., 938
Tetranitrophenyl oxide	$O[C_6H_3(NO_2)_2]_2$=$(1.2.4)_2$	$C_{12}H_6O_9N_4$	....	195	Willgerodt	B., 13, 887	36, 643
„	$C_6H_4(NO_2).O.C_6H_2(NO_2)_3$ =1.2; 1.2.4.6	„	....	172–173	Willgerodt and Huetlin	B., 17, 1766	46, 1328

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tetranitrophenyl oxide	$C_6H_4(NO)_2.O.C_6H_2(NO_2)_3$ =1.4 ; 1.2.4.6	$C_{12}H_6O_9N_4$	....	153	Willgerodt and Huetlin	B., 17, 1766	**46**, 1328
Tetranitro-diresorcinol	$[.C_6H(OH)_2(NO_2)_2]_2$ =[1.3.(?)$_2$]$_2$	$C_{12}H_6O_{12}N_4$	....	268	Benedikt and Hübl	M. C., 2, 330	**40**, 1134
α-naphthoyl cyanide....	$C_{10}H_7(CO.CN)$=α	$C_{12}H_7ON$	....	101	Boessneck	B., 15, 3065	**44**, 595
α-phenylpyridine ketone	$C_6H_4.CO.C_5NH_3$=1.3 ; 1.2.6	,,	315	140–142	Skraup & Cobenzl	M. C., 4, 436	**44**, 1015
Ketone from acridine	$C_6H_3.N\colon CH.CH\colon C.CH\colon CH.CO$ =1.2.3	,,	....	nf. 320	Græbe and Caro	B., 13, 103	**38**, 399
Naphthalimide	$C_{10}H_6.CO.NH.CO$	$C_{12}H_7O_2N$	....	a. 280	Behr and Dorp	A., 172, 270	**27**, 1168
Pyrroline phthalimide	$C_4H_3N\colon C.C_6H_4.CO.O$	,,	....	240–241	Ciamician and Dennstedt	B., 17, 2958	**48**, 379
Nitroazophenylene	....	$C_{12}H_7O_2N_3$	....	209–210	Claus	B., 8, 40	**28**, 647
Trinitroazobenzene	....	$C_{12}H_7O_6N_5$	....	112	Petrieff	Z. C. [2], 6, 564	**vii.**, 1183
,,	$Ph.N_2.C_6H_2(NO_2)_3$	,,	....	142	Fischer	A., 190, 133	**34**, 309
,, ...	$C_6H_4(NO_2).N_2.C_6H_3(NO_2)_2$ =4.1 ; 1.4.2 or 3	,,	....	169	Janovsky and Erb	B., 18, 1135	**48**, 894
,, ...	,, =4.1 ; 1.4.3 or 2	,,	....	180	,,	,,	,,
Trinitrophenyl oxide	$Ph.O.C_6H_2(NO_2)_3$=1.2.4.6	$C_{12}H_7O_7N_3$	....	?	Willgerodt	B., 12, 1278	
,, ,, ...	$C_6H_4(NO_2).O.C_6H_3(NO_2)_2$ =1.4 ; 1.2.4	,,	....	114	Willgerodt and Huetlin	B., 17, 1765	**46**, 1328
,, ,, ...	,, =1.2 ; 1.2.4	,,	....	119	,,	,,	,,
Trinitroazoxybenzene	....	$C_{12}H_7O_7N_6$	cf. B., 6, 557	152	Schmidt	Z. C. [2], 5, 421	**vi.**, 272
Trinitrodioxyazobenzene	....	$C_{12}H_7O_8N_5$	....	102	Petrieff	B., 6, 558	**26**, 1028
Tetranitrodiphenylamine	$NH[C_6H_3(NO_2)_2]_2$=(1.2.4)$_2$	,,	....	180	Hager	B., 17, 2630	**48**, 150
,, ...	,, = ?	,,	....	192	Gnehm and Wyss	B., 10, 1320	**34**, 52
,, ...	$C_6H_4(NO_2).NH.C_6H_2(NO_2)_3$ =1.3 ; 1.2.4.6	,,	....	205	Austen	B., 7, 1248 ; A. J. S. [3], 13, 279	**28**, 165 ; **32**, 757
,, ...	,, =1.4 ; 1.2.4.6	,,	....	216	,,	,,	,,
Trinitrotrioxyazobenzene	....	$C_{12}H_7O_9N_5$	....	52	Petrieff	B., 6, 558	**26**, 1028
Nitrosocarbazole	$C_6H_4.C_6H_4.N.NO$	$C_{12}H_8ON_2$	....	82	Zeidler	A., 191, 306	
Hydroxyphenanthroline	$N\colon CH.CH\colon CH.C_6H_2.CH\colon$ $CH.C(OH)\colon N$=1.2.6.5	,,	....	159–160	Coste	B., 16, 675	**44**, 811
β-nitroacridine	....	$C_{12}H_8O_2N_2$	....	154	Græbe and Caro	A., 158, 275	**vii.**, 26
α- ,, ...	....	,,	....	214	,,	,,	**vii.**, 25
Dinitrodiphenyl	$(.C_6H_4.NO_2)_2$=1.2 ; 1.4	$C_{12}H_8O_4N_2$	....	93·5	Fittig	A., 124, 275	**iv.**, 411
,, ...	,, ,,	,,	....	93·5	Schultz	A., 174, 201	**28**, 150
,, ...	,, ,,	,,	cf. B., 14, 612	*93·5*	Schultz & Strasser	A., 207, 350	**40**, 604, 911
,, ...	,, =(1.4)$_2$	,,	....	213	Fittig	A., 124, 276	**iv.**, 410
,, ...	,, ,,	,,	....	229–230	Lüddens	B., 8, 871	
,, ...	,, ,,	,,	....	233	Schultz	A., 174, 221	**28**, 150
,, (cf. A., 207, 350)	,, ,,	,,	....	*233*	Schultz & Strasser	B., 14, 612	**40**, 604, 911
Dipyridyl dicarboxylic acid	$(.C_5NH_3.COOH)_2$=(1.2.6)$_2$	,,	....	214–215	Skraup	M. C., 3, 590	
,, ,, ,,	,, ,,	,,	$+2H_2O$	217 d.	,,	B., 15, 896	**42**, 1112
,, ,, ,,	,, ,,	,,	....	*217 d.*	Skraup & Vortmann	M. C., 3, 370	**44**, 88
Dinitroazobenzene	$(\colon N.C_6H_4.NO_2)_2$=(1.3)$_2$	$C_{12}H_8O_4N_4$	cf. A., 75, 73	s. 15	Janovsky and Erb	B., 18, 1134	**48**, 894
,, ...	,, =(1.4)$_2$	,,	cf. A., 75, 73	206	,,	,,	,,
,, ...	,, ,,	,,	....	206	Janovsky	M. C., 6, 157	**48**, 789
Dinitrophenyl oxide....	$Ph.O.C_6H_3(NO_2)_2$=?	$C_{12}H_8O_5N_2$	....	65	Maikopar	B., 6, 564	**26**, 1026
,, ,, ...	,, =1.2.4	,,	....	71	Willgerodt	B., 12, 767	**38**, 717
,, ,, ...	....	,,	....	135	Hoffmeister	A., 159, 208	**vii.**, 941
Dinitrohydroxydiphenyl	fr. $C_6H_4Ph.OH$=1.4	,,	....	154	Latschinoff and Engelhardt	B., 6, 195 ; J. R., 5, 52	**26**, 750 ; **vii.**, 938
Dinitrodihydroxydiphenyl	$[.C_6H_3(OH).NO_2]_2$=(?.1.2)$_2$	$C_{12}H_8O_6N_2$	....	w. m. 150	Goldstein	B., 7, 735	**27**, 1093
,,	....	,,	....	184	,,	J. R., 6, 193	
Trinitrodiphenylamine	....	$C_{12}H_8O_6N_4$	....	135	Norton and Allen	B., 18, 1997	**48**, 1214
,, ...	$Ph.NH.C_6H_2(NO_2)_3$=?	,,	....	175	Austen	A. J. S. [3], 13, 279	**32**, 760
,, ...	,, ,,	,,	....	175	Clemm	B., 3, 126	
,, ...	$C_6H_4(NO_2).C_6H_3(NO_2)_2$ =1.4 ; 1.2.4	,,	....	181	Austen	A. J. S. [3], 13, 279 ; B., 7, 1250	**28**, 165 ; **32**, 758

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trinitrodiphenylamine	$C_6H_4(NO_2).C_6H_3(NO_2)_2$ =1.3; 1.2.4	$C_{12}H_8O_6N_4$	....	189	Austen	A. J. S. [3], 13, 279; B., 7, 1250	**28**, 165; **32**, 758
"	" =1.3; 1.(?)$_2$	"	....	194–195	Willgerodt	B., 9, 1179	**32**, 758
Dinitrodiresorcinol	$C_{12}H_4(NO_2)_2(OH)_4$	$C_{12}H_8O_8N_2$	....	d.w.m. 170	Hazura	M. C., 4, 610	**44**, 1114
Ethenyl amidonaphthol	$C_{10}H_6.N:CMe.O$	$C_{12}H_9ON$	....	Liquid	Böttcher	C. C. [1884], 898	**48**, 659
Azoazoxybenzene	....	$C_{12}H_9ON_3$	....	85	Zinin	A., 114, 225	**i.**, 480
Nitrodiphenyl	$Ph.C_6H_4.NO_2$=1.2	$C_{12}H_9O_2N$	....	37	Lüddens	B., 8, 871	**28**, 1258
"	" "	"	....	37	Schultz & Strasser	B., 14, 613	**40**, 604
"	" "	"	....	37	Schultz and others	A., 207, 352	**40**, 912
"	" "	"	320 d.	37	Hübner	A., 209, 341	
"	" =1.3	"	....	86	Pfankuch	J. p. [2], 6, 107	
"	" "	"	....	157 (?)	Schultz	A., 174, 212	
"	" =1.4	"	....	113	Osten	B., 7, 171	**27**, 580
"	" "	"	340 c.	113	Schultz	B., 7, 53; A., 174, 210	**27**, 468; **28**, 149; **vii.**, 937
"	" "	"	....	113	Hübner	A., 209, 340	
"	" "	"	....	113	Schultz & Strasser	B., 14, 613	**40**, 604
"	" "	"	....	113	Lüddens	B., 8, 871	
α-Naphthylglyoxylamide	$C_{10}H_7.CO.CO.NH_2$	"	....	151	Boessneck	B., 15, 3066	**44**, 595
Nitroazobenzene	$Ph.N_2.C_6H_4.NO_2$=1.4	$C_{12}H_9O_2N_3$	cf. A., 75, 73	137	Janovsky	M. C., 6, 157	**48**, 789
"	" "	"	....	138	Janovsky and Erb	B., 18, 1133	**48**, 894
Anilidohydroxyquinone	$O_2.OH.NHPh$=1.4.5.?	$C_{12}H_9O_3N$	....	d.w.m. 200	Zincke	B., 18, 789	**48**, 787
Nitrohydroxydiphenyl	fr.$Ph.C_6H_4.OH$=1.4	"	....	67	Latschinoff	B., 6, 195; J. R., 5, 52	**28**, 750; **vii.**, 938
"	$C_6H_4(OH).C_6H_4.NO_2$ =1.4; 1.2	"	....	138	Schultz & Strasser	B., 14, 614	**40**, 605
"	" "	"	....	138	Schultz and others	A., 207, 351	
"	" =(1.4)$_2$	"	....	170	"	A., 207, 347	**40**, 911
"	" "	"	....	170	Schultz & Strasser	B., 14, 614	**40**, 605
α-Naphthyloxamic acid	$C_{10}H_7.NH.CO.COOH$	"	....	180 d.	Ballo	B., 6, 247	**28**, 913; **vii.**, 848
Pyrroline methylbenzoic acid	$C_4H_3N:CH.C_6H_4.CO_2H$=1.2	"	....	174–184	Ciamician and Dennstedt	B., 17, 2958	**48**, 379
Phenoxynicotinic acid	$C_5H_3N(OPh).CO_2.H$=?.1.4	"	....	275–280	Pechmann & Welsh	B., 17, 2394	**47**, 153; **48**, 175
o-Nitroazoxybenzene	....	$C_{12}H_9O_3N_3$	....	49	Zinin	A., 114, 220	**i.**, 480
p- "	....	"	....	153	"	A., 114, 221	
Nitrobenzeneazophenol	$C_6H_4(OH).N_2.C_6H_4.NO_2$ =(1.4)$_2$	"	....	183–184	Meldola	47, 659	
Nitroso-nitrodiphenylamine	$Ph.N(NO).C_6H_4.NO_2$= ?	"	....	133·5	Witt	B., 11, 757	**33**, 205
Nitro-acetonaphthol....	$C_{10}H_6.NO_2.OAc$= αβ	$C_{12}H_9O_4N$	....	61	Böttcher	B., 16, 1938	**44**, 1113
Methylic nitro-α-naphthoate	$C_{10}H_6.NO_2.CO_2Me$=? α	"	....	109–110	Graeff	B., 16, 2252	**46**, 81
" " -β- "	" =? β	"	....	112	"	B., 16, 2254	"
Dinitro-diphenylamine	$Ph.NH.C_6H_3(NO_2)_2$=1.2.4	$C_{12}H_9O_4N_3$	....	153	Hepp	B. S. [2], 305; A., 215, 363	**36**, 51; **44**, 317
"	" "	"	cf. B., 3, 128	*153*	Clemm	A. J. S. [3], 13, 279; J. p., 108, 320; 109, 175	**32**, 760
"	" "	"	....	156–157	Willgerodt	B., 9, 978	**30**, 405
"	$NH(C_6H_4.NO_2)_2$=(1.2)$_2$	"	....	*211·5*	Witt	B., 11, 759	**33**, 208
"	" "	"	....	219–220	Lellmann	B., 15, 829	**42**, 1060
"	" =(1.4)$_2$	"	....	*214*	Witt	B., 11, 759	**33**, 208
"	" "	"	....	216	Lellmann	B., 15, 828	**42**, 1060
Nitrobenzeneazoresorcinol	$C_6H_4(NO_2).N_2.C_6H_3(OH)_2$ =1.4; 4.3.1	"	....	powder	Meldola	47, 660	
Dinitroamidoazobenzene (m-)	$C_6H_4(NO_2).N_2.C_6H_3(NO_2).NH_2$	$C_{12}H_9O_4N_5$	....	175–176	Hallmann	B., 9, 390	**30**, 93
" (m-)	"	"	A., 121, 272	195·5	Griess	P. T., 3, 678	**iv.**, 461
" (p-)	"	"	A., 121, 271	224·5	"	"	"
Dinitroacetonaphthalide	$NHAc.(NO_2)_2$ =$\alpha_1\beta_1\alpha_2$; or α_1; $\alpha_1\beta_2$	$C_{12}H_9O_5N_3$	cf. B., 4, 850	247	Liebermann and Hammerschlag	B., 9, 333	**30**, 81
"	" "	"	....	247	Liebermann	A., 183, 273	**31**, 608
"	" "	"	....	*247*	Lellmann	B., 17, 114	**46**, 752
"	" "	"	....	250·5	Hübner	A., 208, 330	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitroacetonaphthalide	$NHAc.(NO_2)_2 = a_1\beta_1a_2$; or a_1 ; $a_1\beta_2$	$C_{12}H_9O_6N_3$	....	251	Ebell	B., 8, 564	**26**, 900
Phthalylaspartic acid	$C_6H_4:(CO)_2:N.CH(CO_2H).CH_2.CO_2H$	$C_{12}H_9O_6N$	....	233	Piutti	G. I., 14, 473	**48**, 796
Trinitrohydrazobenzene	$Ph.NH.NH.C_6H_2(NO_2)_3$	$C_{12}H_9O_6N_6$	....	181 d.	Fischer	A., 190, 132	**34**, 309
Picric acid + benzene	$C_6H_6+C_6H_2(OH)(NO_2)_3$	$C_{12}H_9O_7N_3$	A., 109, 247	85–90	Fritzsche	J. p., 73, 212; B. S., 7, 30	iv., 405
Trinitro-α-ethoxynaphthalene	$C_{10}H_4.OEt.(NO_2)_3$	”	....	148	Staedel	B., 14, 900; A., 217, 170	**40**, 724; **44**, 863
” -β- ”	”	”	....	186	”	”	”
Diphenylnitrosamine	$Ph_2N.NO$	$C_{12}H_{10}ON_2$	cf. B., 10, 1309	66·5	Witt	B., 8, 855; A., 190, 174	**29**, 267; **33**, 203
Azoxybenzene	Ph.N.O.N.Ph	”	cf. B., 6, 557	*36*	Zinin	J. p., 36, 93	i., 479
” (cf. B., 16, 81)	”	”	cf. B., 13, 525	36	Spring	B., 17, 1217	**46**, 949
” (cf. B., 14, 2617)	”	”	....	36	Mitscherlich	A., 9	
” (cf. B., 15, 865)	”	”	....	36	Glaser	G. J. C., 1867	
”	”	”	....	37	Schmidt & Schultz	B, 12, 486	**36**, 631
Hydroxyazobenzene (cf. B., 3, 234)	$Ph.N_2.C_6H_4.OH$	”	....	148	Griess	A., 137, 84	vii., 151
”	”	”	....	148	Kimich	B., 8, 1027	
”	”	”	....	150	Tschorvinsky	B., 6, 560	**26**, 1027
”	”	”	....	148–154	Mazzara	G. I., 9, 424	**38**, 163
”	”	”	....	148–154	Kekulé	B., 8, 1027	
”	”	”	....	*152*	Wallach and Kiepenheuer	B., 14, 2617	
”	”	”	....	152–153	Wallach and Belli	B., 13, 526	
”	”	”	....	152–154	”	B., 13, 525	
”	$Ph.N_2.OPh(?)$	”	....	154	Scichilone	G. I. [1882], 108	**42**, 726
Phenylazonitrolic acid	$Ph.N_2.C_6H_4.NOH$	$C_{12}H_{10}ON_3$	....	134	Janovsky	M. C., 6, 157	**48**, 789
Hydroxydiphenylnitrosamine	$C_6H_4.OH.(NPh.NO)=1.4$	$C_{12}H_{10}O_2N_2$	....	95	Philip and Calm	B., 17, 2433	**48**, 155
Nitrodiphenylamine....	$Ph.NH.C_6H_4.NO_2=1.4$	”	A., 132, 167	*132*	Witt	B., 11, 757	**33**, 205
”	” ”	”	....	133	Lellmann	B., 15, 827	**42**, 1059
Hydroxyazoxybenzene	$Ph.N.O.N.C_6H_4.OH$	”	cf. B., 3, 235	145	Wallach and Kiepenheuer	B., 14, 2618	**42**, 394
α-Resorcinolazobenzene	$Ph.N_2.C_6H_3(OH)_2=?.1.3$	”	....	161	Typke	B., 10, 1577	**34**, 219
α- ”	” ”	”	....	165	Meyer and Kreis	B., 16, 1330	**44**, 982
α- ”	” ”	”	....	166	Baeyer and Jäger	B., 8, 151	
α- ”	” ”	”	....	*167–168*	Wallach & Fischer	B., 15, 2816	
β- ”	” =?.1.3	”	....	215 u.c.	Typke	B., 10, 1577	**34**, 219
β- ”	” ”	”	....	215	Wallach & Fischer	B., 15, 2819	
Azophenol	$(:N.C_6H_4.OH)_2=(1.2)_2$	”	....	171	Weselsky & Benedikt	A., 196, 344; B., 11, 399	**34**, 498; **38**, 718
”	” ”	”	....	171	Bohn & Heumann	B., 17, 273	**46**, 1014
”	” $=(1.4)_2$	”	....	204 d.	”	B., 15, 3037	
”	” ”	”	....	*204 d.*	Weselsky & Benedikt	A., 196, 340	**36**, 718
”	” ”	”	d.	214	Jäger	B., 8, 1499	**29**, 580
Nitroamido-diphenyl	$NO_2.C_6H_4.C_6H_4.NH_2 =1.2;\ 1.4$	”	....	92–93	Schultz	B., 7, 55; A., 207, 350	**27**, 468; vii., 938
”	” ”	”	....	*97–98*	”	A., 174, 225	**28**, 150
”	” $=1.4;\ 1.2$	”	....	138	Schultz and others	A., 207, 348	**40**, 911
”	” $=(1.4)_2$	”	....	160	Fittig	A., 124, 278	iv., 411
”	” ”	”	....	*198*	Schultz	A., 174, 222	**28**, 150
β-naphthoic carbamide	$C_{10}H_7.CO.NH.CO.NH_2$	”	....	215	Vieth	A., 180, 322	**30**, 87
Nitroamidoazobenzene	....	$C_{12}H_{10}O_2N_4$	....	195	Griess	[2], 5, 857	vi., 921
”	$NO_2.C_6H_4.N_2.C_6H_4.NH_2 =1.4;\ 1.?$	”	....	203–205	Nölting and Binder	B. S., 42, 340	**48**, 385
”	” $=1.3;\ 1.4$	”	....	210	Meldola	45, 113	
”	....	”	....	245	Griess	[2], 5, 857	vi., 921
Oxalylphenylallylcarbamide	$CO.NPh.CO.CO.N.C_3H_5$	$C_{12}H_{10}O_3N_2$	....	107–108	Maly	Z. C. [2], 5, 258	vi., 1089

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitroacetonaphthalide	$NHAc.NO_2=\alpha_1\beta_1$; (?)	$C_{12}H_{10}O_3N_2$	....	115	Lellmann	B., 17, 111	**46**, 751
"	" $=\beta\beta$(?)	"	A., 211, 41	123·5	Jacobsen	B., 14, 805	**40**, 736
"	" $=\alpha$?	"	....	142	Lellmann	B., 17, 110	**46**, 751
"	" $=\alpha$?	"	....	171	Anderoni & Biedermann	B., 6, 342	
"	" $=\alpha$?	"	....	171	Lellmann	B., 17, 109	**46**, 751
" (cf. B., 7, 242)	" $=\alpha$?	"	isomeric	171	Liebermann	A., 183, 229	**31**, 599
" "	" $=\alpha\beta$	"	"	171	"	A., 183, 230	"
"	" $=\alpha$?	"	....	187	Lellmann	B., 17, 110	**46**, 751
"	" $=\alpha_1\alpha_2$;	"	....	189	Liebermann and Dittler	B., 7, 245	**27**, 692
"	" $=\alpha$?	"	....	190	Liebermann	A., 183, 253	**46**, 752
"	" $=\alpha$?	"	....	194	Lellmann	B., 17, 112	**46**, 751
Benzoquinone+o-nitraniline	$C_6H_4:O_2+C_6H_4.NO_2.NH_2$	$C_{12}H_{10}O_4N_2$	....	94–97	Hebebrand	B., 15, 1976	
" +p- "	"	"	....	115–120	"	"	
Dinitrohydrazobenzene	$NO_2.C_6H_4.NH.NH.C_6H_4.NO_2$	$C_{12}H_{10}O_4N_4$	....	220	Lermontoff	B., 5, 234	
Dinitroamidodiphenylamine	$NH_2.C_6H_4.NH.C_6H_3(NO_2)_2$ $=1.3$; $(?)_3$	"	....	172	Leymann	B., 15, 1237	**42**, 1057
Dinitro-α-ethoxynaphthalene	$OEt.(NO_2)_2=\alpha_1$	$C_{12}H_{10}O_5N_2$	....	88	Martius	Z. C. [2], 4, 82	vi., 857
" -β- "	" $=\beta_1$?; β_1	"	....	138	Græbe and Drews	B., 17, 1172	**46**, 1036
Trinitroaniline+benzene	$C_6H_6+C_6H_2.NH_2.(NO_2)_3$ $=1.2.4.6$	$C_{12}H_{10}O_6N_4$	....	108·5	Mertens	B., 11, 843	
Trinitrobenzene+aniline	$C_6H_3(NO_2)_3+NH_2Ph$	"	....	123–124	Hepp	A., 215, 356; B. S. [2], 30, 4	**36**, 51; **44**, 316
Pyridine methopicrate	$C_5NH_5+C_6H_2.OMe.(NO_2)_3$	$C_{12}H_{10}O_7N_4$	$+\frac{1}{2}H_2O$	34	Ostermayer	B., 18, 592, 599	**48**, 813
Hydroxydiphenylamine	$Ph.NH.C_6H_4.OH=1.3$	$C_{12}H_{11}ON$	....	81·5–82	Merz and Weith	B., 14, 2345	**42**, 179
"	" "	"	340	81·5–82	Calm	B., 16, 2788	**46**, 591
"	" $=1.4$	"	330	70	"	B., 16, 2801	**46**, 591
β-acetonaphthalide	$C_{10}N_7.NHAc=\beta$	"	....	132	Liebermann	A., 183, 225	**31**, 607
"	" "	"	....	132	Liebermann and Scheiding	B., 8, 1110	**29**, 403
" (cf. A., 211, 42)	" "	"	....	132	Cosiner	B., 14, 59	**40**, 606
" (cf. B., 14, 2343)	" "	"	....	132	Calm	B., 15, 611	**42**, 972
"	" "	"	....	132	Benz	B., 16, 9	
α- " (cf. B. S., 20, 20)	" $=\alpha$	"	....	152	Tommasi	C. R., 76, 1267	**26**, 1040
"	" "	"	....	156	Jacobson	B., 14, 1793	
"	" "	"	....	157–158	Kelbe	B., 16, 1200	**44**, 916
"	" "	"	....	159	Rother	B., 4, 850	**25**, 81
"	" "	"	....	159	Anderoni & Biedermann	B., 6, 342	vii., 845
"	" "	"	....	*159*	Liebermann	A., 183, 229	**31**, 599
"	" "	"	....	160	Calm	B., 15, 615	**42**, 972
α-naphthylacetamide	$C_{10}H_7.CH_2.CO.NH_2$	"	....	180–181	Boessneck	B., 16, 641	**44**, 808
Acetonylquinoline	$N.(CH_2.CO.Me)=\alpha_1\beta_1$;	"	....	76	Fischer and Kuzel	B., 16, 164	**44**, 588
Amidobenzeneazophenol	$NH_2.C_6H_4.N_2.C_6H_4.OH$ $=1.4$; 1.?	$C_{12}H_{11}ON_3$	....	138·5	Schmidt	Z. C. [1869], 419; A., 122, 174	vi., 272
"	" $=1.3$; 1.?	"	....	168	Wallach & Schulze	B., 15, 3021	**44**, 583
"	" $=(1.4)_2$	"	....	181	Meldola	47, 659	
Nitroso-ethoxynaphthalene	$OEt.NO=\alpha\beta$	$C_{12}H_{11}O_2N$	....	101	Fuchs	B., 8, 630	
Acetamidonaphthol	$OH.NHAc=\beta\alpha$	"	....	225	Böttcher	B., 16, 1938; C. C. [1884], 898	**44**, 1113; **48**, 659
Dimethamido-α-naphthoquinone	$C_{10}H_5(NMe_2):O_2$(?)	"	....	118	Plimpton	37, 642	
Ethamido-α-naphthaquinone	$C_{10}H_6(NHEt):O_2$(?)	"	....	139–140	"	37, 641	
" " "	$C_{10}H_6.O.NEt.O$	"	....	140	Zincke	B., 12, 1646	**36**, 49
Amidobenzene azoresorcinol	$NH_2.C_6H_4.N_2.C_6H_3(OH)_2$ $=1.4$; 4.3.1	$C_{12}H_{11}O_2N_3$	....	too high to determine	Meldola	47, 661	
Nitrocinnamenylvinylmethylketone	$NO_2.C_6H_4.CH:CH.CH:CH.COMe=1.2$	$C_{12}H_{11}O_3N$	....	73·5	Diehl and Einhorn	B., 18, 2327	**48**, 1222
Nitroethoxynaphthalene	$OEt.NO_2=\beta$?	"	....	103–104	Wittkampf	B., 17, 394	**46**, 1036

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dimethamidojuglone	$C_{10}H_4(OH)(NMe_2):O_2=\beta_1;\ \beta_1\alpha_1\alpha_2$	$C_{12}H_{11}O_3N$	....	149–150	Mylius	B., 18, 465	**48**, 803
Ethoxyquinoline carboxylic acid	$N.OEt.COOH=\alpha_1\beta_1\beta_2$;	"	....	133	Friedländer and Göhring	B., 17, 460	**46**, 1020
" " "	" $=\alpha_1\beta_1\alpha_2$;	"	....	145–146	Königs and Körner	B., 16, 2154	**46**, 84
Ethylic hydroxyquinoline carboxylate	$N.OH.COOEt=\alpha_1\beta_1\alpha_2$;	"	....	206–207	"	B., 16, 2155	"
?—acid	....	"	....	148–149	Weltner	B., 18, 794	**48**, 794
Nitrocinnamylacetone	$NO_2.(CH:CH.CO.CH_2Ac)=1.2$	$C_{12}H_{11}O_4N$	....	112–113	Fischer and Kuzel	B., 16, 36	**44**, 587
Nitrobenzoyltetramethylene carboxylic acid	$(CH_2)_3.C(CO_2H).CO.C_6H_4.NO_2=1.4$	$C_{12}H_{11}O_5N$	....	172	Perkin and Bellinot	B., 18, 957	**48**, 795
Nitropeucedanin (cf. A., 176, 78)	....	"	....	100 d.	Bothe	J. p., 46, 371	iv., 386
Anilinetrinitraniline....	$C_6H_2(NO_2)_3.NH_2+Ph.NH_2$	$C_{12}H_{11}O_6N_5$	....	123–125	Hepp	A., 215, 359	
Diamidophenyloxide	....	$C_{12}H_{12}ON_2$	....	185	Hoffmeister	A., 159, 209	vii., 941
Ethylnaphthylnitrosamine	$C_{10}H_7.NEt(NO)=\beta$	"	....	49	Henriques	B., 17, 2669	**48**, 168
Harmalol	....	" (?)	darkens 180	212 d.	Fischer and Täuber	B., 18, 405	**48**, 821
?	....	"	....	125	Fittica	B., 8, 711	**28**, 1195
Azoxyaniline....	$O:N_2(C_6H_4.NH_2)_2=(1.4)_2$	$C_{12}H_{12}ON_4$	....	182–184	Mixter	A. J. C., 5, 1	**46**, 301
Diacetamido-α-toluic nitril	$NAc_2.(CH_2CN)=1.4$	$C_{12}H_{12}O_2N_2$	....	152–153	Gabriel	B., 15, 835	**42**, 1070
?—amide	$C_{11}H_{10}ON.(CO.NH_2)$	"	....	264	Weltner	B., 18, 794	**48**, 794
Acetoxyphenylethenylazoximethenyl	$AcO.CHPh.C:N.O.CMe:N$	$C_{12}H_{12}O_3N_2$	....	52	Gross	B., 18, 1077	**48**, 898
Phenylethenylazoximepropenylcarboxylic acid	$O.N:C(CH_2Ph).N:C.(CH_2)_2.CO_2H$	"	....	59–60	Knudsen	B., 18, 2484	**48**, 1218
Diacetylterephthalaldoxime	$(CH:NAc).(CH:NOAc)=1.4$	"	....	155	Westenberger	B., 16, 2995	**46**, 581
Methyloxyquinizinacetic acid	$C_6H_4.N.NH.CMe.CH(CH_2.CO_2H).CO=1.2$	"	....	178	Knorr and Blank	B., 17, 2052	**46**, 1380
?	....	$C_{12}H_{12}O_3N_3$	brown 150	172 d.	Paal	B., 17, 2762	**48**, 250
Urocaninic acid	....	$C_{12}H_{12}O_4N_4$	$+4H_2O$	212–213	Jaffe	B., 7, 1671	
Trisuccinamide	$(C_4H_4O_2)_3N_2$	$C_{12}H_{12}O_6N_2$	....	83	Chiozza and Gerhardt	A., 90, 108	v., 462
β-hydroxypyridine oxalate	$(C_5H_5NO)_2+H_2C_2O_4$	" (?)	....	175	Fischer and Renouf	B., 17, 1896	**46**, 1370
Ethylic dinitrophenylacetacetate	$C_6H_3(NO_2)_2.(CHAc.COOEt)=4.2.1$	$C_{12}H_{12}O_7N_2$	....	94	Heckmann	A., 220, 128	**46**, 178
Diethylic dinitrophthalate	$(CO_2Et)_2.(NO_2)_2=1.2.(?)_2$	$C_{12}H_{12}O_8N_2$	....	91	Beilstein and Kurbatow	B. S. [2], 34, 327	**40**, 436
Aniline phenate	$Ph.NH_2+C_6H_5.OH$	$C_{12}H_{13}ON$	*184·5 u.c.*	*29·5*	Dale and Schorlemmer	A., 217, 388	**43**, 186
" "	"	"	181	30·8	Dyson	43, 466	
" "	"	"	....	32	Hübner	A., 210, 342	
Cumostyril	$C_9H_6Pr^{\beta}ON$	"	....	167–168	Widmann	B., 17, 2283	
Acetamidopropenylbenzoic acid	$NHAc.C_3H_6.CO_2H=1.2.5$	$C_{12}H_{13}O_3N$	....	210–212	"	B., 16, 2575	**46**, 318
Acetyltetrahydrocinchoninic acid	fr. $C_6H_5(CO_2H).CH_2.CH:CH.NH=1.2$	"	....	164·5	Weidel	M. C., 3, 64	**42**, 531
Methylcumazonic acid	$C_6H_3(CO_2H).CMe_2.O.CMe:N=1.2$	"	....	218	Widmann	B., 16, 2576	**46**, 303
Cotarnine	....	"	$+H_2O$	100	....	....	ii., 89
"	....	"	....	not b. 120	Beckett & Wright	28, 576	
Nitrosomethylanilidopyrotartarimide	$CO.NMe.CO.CH_2.CMe.NPh.NO$	$C_{12}H_{13}O_3N_3$	....	147	Wechsler	B., 18, 1044	**48**, 900
Ethylic acetylphenyloxamate	$NAcPh.CO.CO_2Et$	$C_{12}H_{13}O_4N$	....	*64–65*	Klinger	A., 184, 268	**31**, 711
" "	"	"	....	66–67	"	B., 8, 311	**28**, 1025
Ethylic nitropropenylbenzoate	$NO_2.C_3H_6.CO_2Et=1.2.5$	"	....	Liquid	Widmann	B., 15, 2552	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-Lactone of isopropylnitrophenyllactic acid	$Pr^{\beta}.NO_2.(.CH.CH_2.CO.O)$ =1.3.4	$C_{12}H_{13}O_4N$	....	73	Einhorn and Hess	B., 17, 2022	**46**, 1352
Nitrocumenylacrylic acid	$Pr^{\beta}.NO_2.(CH:CH.CO_2H)$ =?.3.1	„	....	141	Widmann	B., 17, 2283	**48**, 56
„ „ „	„ =4.2.1	„	pure	*156–157*	Einhorn and Hess	B., 17, 2018	**46**, 1351
„ „ „	„ „	„	ordinary	152–153	„	B., 17, 2017	„
Ethylic benzammalonate	$CO_2H.(NH.CO.CH_2.CO_2Et)$ =1.3	„	....	172–173	Schiff	B., 17, 403	**46**, 906
Nitro-aceteugenol	$C_3H_5.OMe.OAc.NO_2$=1.4.3.?	„	....	61	Weselsky and Benedikt	M. C., 3, 391	**42**, 1201
Ethylic nitrophenylazoacetacetate	$NO_2.(.N_2.CHAc.CO_2Et)$=1.2	$C_{12}H_{13}O_5N_3$	....	92–93	Bamberger	B., 17, 2416	**48**, 157
Nitroquinol dipropionate	$(O.C_3H_5O)_2.NO_2$=1.4.5	$C_{12}H_{13}O_6N$	....	86	Hesse	A., 200, 247	**38**, 317
Diethylic nitrophthalate	$(COOEt)_2.NO_2$=1.2.?	„	a. 300	Liquid	Faust	A., 160, 57	**25**, 76; **vii.**, 978
„ „	„ =1.2.4	„	....	33–34	....	A., 208, 234	
„ „	„ =1.2.3	„	....	43	Miller	B., 11, 1191	**34**, 982
„ „	„ „	„	.. .	45	....	A., 208, 243	
„ nitroisophthalate	„ =1.3.5	„	....	83·5	Beyer	J. p. [2], 25, 489	**42**, 1294
„ „	„ „	„	....	83·5	Storrs and Fittig	A., 153, 288	**vii.**, 979
Nitroacetoxypropylbenzoic acid	$CO_2H.(CMe_2.OAc).NO_2$ =1.4.5	„	....	131–133	Widmann	B., 16, 2569	**46**, 317
Ethylic diacetylcomenamate	$C_5H_2N(OAc)_2.CO_2Et$	„	fr. pyridine	38	Ost	J. p. [2], 29, 57	**48**, 49
„ nitro-opianate	$COH.NO_2.(OMe)_2.CO_2Et$ =6.?.3.2.1	$C_{12}H_{13}O_7N$	....	96	Prinz	J. p. [2], 24, 358	**42**, 402
Methylethyloxyquinizine	$C_6H_4.N.NH.CMe.CHEt.CO$ =1.2	$C_{12}H_{14}ON_2$	....	108	Knorr and Blank	B., 17, 2051	**46**, 1380
Toludimethyloxyqninizine	$C_6H_3Me.N.NH.CMe.CHMe.CO$=1.2.3	„	....	96–97	Knorr	B., 17, 550	**46**, 1153
„ ...	„ =1.4.5	„	....	137	„	„	„
Phenyl acetamidine diacetate	$Ph.CH_2.C(NHAc):NAc$	$C_{12}H_{14}O_2N_2$	....	172–173	Luckenbach	B., 17, 1425	**46**, 1134
Methylanilidopyrotartarimide	$CO.NMe.CO.CH_2.CMe.NH$ Ph	„	....	103	Wechsler	B., 18, 1043	**48**, 900
Toluidopyrotartarimide	$CO.NH.CO.CH_2.CMe.NH.$ C_6H_4Me=1.2	„	....	181	„	B., 18, 1051	**48**, 901
Ethylpseudoisatin-α-ethyloxime	$C_6H_4.CO.C(NOEt).NEt$=1.2	„	....	99	Baeyer	B., 16, 2193	**46**, 74
Ethylic azobenzene acetacetate	$Ph.N_2.CHAc.CO_2Et$	$C_{12}H_{14}O_3N_2$	....	59·5	Züblin	B., 11, 1418	**34**, 880
Diacetylphenyloxethenyl amidoxime	$AcO.CHPh.C(NH_2):NOAc$	$C_{12}H_{14}O_4N_2$	....	113	Gross	B., 18, 1077	**48**, 898
Diacetylphenyloxethenyl oxamidine	$AcO.CHPh.C(NH).NH.OAc.$	„	....	149	Tiemann	B., 17, 127	**46**, 734
Ethylic dinitrocuminate	$Pr.(NO_2)_2.CO_2Et$=?	$C_{12}H_{14}O_6N_2$	....	77·5	....	J. [1858], 271	
Deoxyamalic acid	....	$C_{12}H_{14}O_6N_4$	....	260	Fischer and Reese	A., 221, 336	**46**, 467
Ethylic nitrophenylnitromethoxypropionate	$NO_2.[CH(OMe).CH(NO_2).CO_2Et]$=1.4	$C_{12}H_{14}O_7N_2$	....	77	Friedlander and Mähly	B., 16, 852; A., 229, 210	**48**, 1138
Methylic nitrophenylnitroethoxypropionate	$NO_2.[CH(OEt).CH(NO_2).CO_2Me]$=1.4	„	....	110	„	„	„
Methylic ethyldinitrohydro-p-coumarate	$OEt.(NO_2)_2.(CH_2.CH_2.CO_2Me)$=1.2.6.4	„	....	36	Stöhr	A., 225, 57	**46**, 1350
Ethylic methyldinitrohydro-p-coumarate	$OMe.(NO_2)_2.(CH_2.CH_2.CO_2Et)$=1.2.6.4	„	....	71	„	„	„
Diethylic dinitrosuccinosuccinate	....	$C_{12}H_{14}O_8N_2$	brown 100	113–114 d.	Ebert	A., 229, 45	**48**, 1122
Cumenylacrylamide	$Pr^{\beta}.(C_2H_2.CO.NH_2)$=?	$C_{12}H_{15}ON$	....	185–186	Perkin	J. [1877], 790	**31**, 399
α-ethoxyhydromethyl quinoline	$NMe.H_3.OEt$=$\alpha_1\beta_1\beta_2\alpha_2$; α_1	„	269–270 (716)	Liquid	Fischer	B., 16, 718	**44**, 1147
Hydrocumostyril	$C_9H_8Pr^{\beta}ON$	„	....	135	Widmann	B., 17, 2283	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
?	....	$C_{12}H_{15}O_2N$	a. 300	78–80	Canzoneri & Spica	G. I., 14, 448	**48**, 751
Cumenylamidoacrylic acid	$C_9H_{11}.C_2H(NH_2).CO_2H$	"	....	154–155	Widmann	B., 17, 2283	**48**, 56
o-amidocumenylacrylic acid	$C_9H_{10}(NH_2).C_2H_2.CO_2H$	"	....	165	"	"	"
m- " "	"	"	....	165	"	"	"
Isoamylidene-m-amidobenzoic acid	....	"	....	130; sf. 100	Schiff	A., 210, 119	**42**, 304
Ethylic dimethamidobenzoyl formate	$NMe_2.(CO.CO_2Et)=1.4$	$C_{12}H_{15}O_3N$	...	95	Michler and Hanhardt	B., 10, 2082	**34**, 421
Anhydro-amidophenolethyl acetacetate	$O.C_6H_4.NH.CMe.CH_2.CO_2Et$ $=1.2$	"	....	107–108	Hantzsch	B., 16, 1950	**44**, 1111
Acetamidocumic acid	$Pr^{\beta}.NHAc.CO_2H=1.2.4$	"	....	246	Widmann	B., 16, 2579	**46**, 303
" ...	" "	"	....	248–250	Fileti	G I., 10, 12	**40**, 425
Benzoyl homopiperidic acid	$Ph.CO.C_5H_{10}O_2N$	"	....	94	Schotten	B., 17, 2545	**48**, 176
Cuminuric acid	....	"	A., 109, 31	168	Jacobsen	B., 12, 1514	**38**, 38
Hydrocotarnine	....	"	$+\frac{1}{2}H_2O$	*50*	Hesse	B., 4, 696; As., 8, 261, 326	**24**, 1065; **25**, 724; **vii.**, 877
"	....	"	....	54	Beckett & Wright	29, 466	**28**, 577
Ethylic urethane benzoate	$CO_2Et.(NH.CO_2Et)=1.3$	$C_{12}H_{15}O_4N$	....	100–101	Wachendorff	B., 11, 702	**34**, 674
Diethylic amidophthalate ...	$(CO_2Et)_2.NH_2=1.2.3$	"	....	Liquid	Miller	A., 208, 246	**42**, 405
" "	" $=1.2.4$	"	....	95	"	A., 208, 237; B., 11, 1192	**34**, 983
" " ...	" "	"	....	crystalline	Baeyer	B., 10, 125, 1079	
" amidoisophthalate	" $=1.3.5$	"	....	118	Beyer	J. p. [2], 25, 503	
" amidoterephthalate	" $=1.4.5$	"	....	?	....	A., 121, 92	
Actetate of amidopropenylbenzoic acid	$CO_2H.(NH_2+HAc).C_3H_5$ $=1.3.4$	"	....	160	Widmann	B., 16, 2574	**46**, 318
Acetamidohydroxypropylbenzoic acid	$CO_2H.(NHAc).(CMe_2.OH)$ $=1.3.4$	"	....	nf. 280	"	B., 16, 2572	**46**, 317
Dimethylic collidine dicarboxylate	$N.Me_3.(CO_2Me)_2=1.2.4.6.3.5$	"	285–287	82	Hantzsch	B., 16, 1947	**44**, 1082
Monethylic collidine dicarboxylate	$N.Me_3.CO_2H.CO_2Et$ $=1.2.4.6.3.5$	"	....	157	Michael	A., 225, 121	**48**, 61
Triacetamidophenol	$OH.(NHAc)_3=1.2.4.6$	$C_{12}H_{15}O_4N_3$	....	263 d.	Bamberger	B., 16, 2401	**46**, 309
Ethylic hydroxyisopropyl nitrobenzoate	$CO_2Et.(CMe_2OH).NO_2$ $=1.4.5$	$C_{12}H_{15}O_5N$	....	96	Widmann	B., 15, 2550	**44**, 330
Isopropylnitrophenyllactic acid	$[CH(OH).CH_2.CO_2H].NO_2$ $Pr^{\beta}=1.2.4$	"	....	119–120	Einhorn and Hess	B., 17, 2024	**46**, 1353
Ethylic nitrodimethamidophenyloxamate	$(NH.CO.CO_2Et).NMe_2.NO_2$ $=1.4.6$	$C_{12}H_{15}O_5N_3$	....	152	Wurster and Sendtner	B., 12, 1805	**38**, 110
β-butyranilbetaïne oxalate	$NH_2Ph.CHMe.CH_2.COO$ $+C_2H_2O_4$	$C_{12}H_{15}O_6N$	....	137–139	Balbiano	B., 13, 313; G. I., 10, 137	**38**, 462, 542
Aniline citrate	$C_6H_5.NH.O.C_6H_5O_4(OH)_2$	$C_{12}H_{15}O_7N$	....	b. 100	Pebal	A., 82, 91	**iv.**, 427
Ethylic cyanuro-carboxylate	$(NCO.CO_2Et)_3$	$C_{12}H_{15}O_9N_3$	....	118–119	Wurtz & Henninger	C. R., 100, 1419	**48**, 969
Triethoxytrinitrobenzene	$(OEt)_3.(NO_2)_3=1.2.3.4.5.6$	"	....	93	Weselsky and Benedikt	M. C., 2, 218	**42**, 54
Piperidylphenylcarbamide	$PhHN.CO.N\colon C_5H_{10}$	$C_{12}H_{16}ON_2$	....	168	Gebhardt	B., 17, 3041	**48**, 384
Benzoylpiperylhydrazine ...	$C_5H_{10}N.NHBz$	"	....	195	Knorr	A., 221, 297	**46**, 467
Picramide+aniline	$C_6H_2.OH.(NH_2)_3+NH_2Ph$	$C_{12}H_{16}ON_4$	....	123–125	Hepp	A., 215, 344	**44**, 316
Diethyl terephthalaldoxime	$C_6H_4(CH\colon NOEt)_2=1.4$	$C_{12}H_{16}O_2N_2$	....	55	Westenberger	B., 16, 2995	**46**, 581
Isophthalimidethyl ether	$C_6H_4[C(OEt)\colon NH]_2=1.3$	"	d. 120	66; a. f. 157	Luckenbach	B., 17, 1432	**46**, 1158
Benzamide+anisaldehyde	....	"	....	180	Schuster	A., 154, 80	**vii.**, 80
Ethylic dimethamidophenyl oxamate	$(NH.CO.CO_2Et).NMe_2=1.4$	$C_{12}H_{16}O_3N_2$	....	117	Sendtner	B., 12, 531	**36**, 627
Acetamide+anisaldehyde	v. $C_{12}H_{16}O_2N_2$	"	A., 154, 80	180	Schuster	Z. C. [2], 6, 681	**vii.**, 3
Nitroisovaleryl toluide	$Me.NO_2.NH(C_5H_9O)=1.3.4$	"	....	88–89	Friederici	B., 11, 1973	**36**, 312
" "	" "	"	....	88–89	Hübner	A., 209, 364	**42**, 180
Benzoylornithin	$C_5H_8O_2.NH_2.NH.C_7H_5O$	"	....	225–230	Jaffe	B., 11, 408	**34**, 585
Diethylic ketindicarboxylate	$(.CMe.N\colon C.CO_2Et)_2$	$C_{12}H_{16}O_4N_2$	315–317 c.	85·5	Wleügel	B., 15, 1052, 1054	**42**, 949
Isopropyl nitrophenylacetamide	$[CH(OH).CH_2.CO.NH_2]$. $NO_2.Pr^{\beta}=1.2.4$	"	....	150	Einhorn and Hess	B., 17, 2023	**46**, 1353

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dipropyl dinitrobenzene	$Pr^{\alpha}_2.(NO_2)_2=1.4.(?)_2$	$C_{12}H_{16}O_4N_2$	....	65	Körner	B., 11, 1865; A., 216, 226	36, 142; 44, 322
Ethyl dinitrothymol....	$Pr^{\alpha}_2.Me.OEt=1.4.6$	$C_{12}H_{16}O_5N_2$	....	52–53	Ladenburg and Engelbrecht	B., 10, 1219	34, 60
Triethoxydinitrobenzene	$(OEt)_3.NO_2=1.2.3.4.?$	$C_{12}H_{16}O_7N_2$	....	73	Weselsky and Benedikt	M. C., 2, 217	42, 54
Pipecoline picrate	$C_6H_{13}N+C_6H_2.OH.(NO_2)_3$	$C_{12}H_{16}O_7N_4$	....	136–138	Hesekiel	B., 18, 913	48, 812
Tetramethylic azinsuccinate	$[.N:C(CO_2Me).CH_2.CO_2Me]_2$	$C_{12}H_{16}O_8N_2$	....	149–150	Curtius and Koch	B., 18, 1301	48, 886
Capronanilide	$C_6H_5.NH(C_6H_{11}O)$	$C_{12}H_{17}ON$	....	95	Kelbe	B., 16, 1200	44, 916
Acetamidoisobutylbenzene	$Bu^{\beta}.NHAc=?$	,,	A., 211, 238	170	Studer	B., 14, 1473	40, 898
,, ,, ...	,, ,,	,,	....	170	Louis	B., 16, 115	
Isobutylformotoluide	$Me.Bu^{\beta}.(NH.CHO)=1.3.2$	,,	....	103–105	Effront	B., 17, 2343	48, 154
,, ...	,, $=1.5.2$	,,	....	105–106	,,	B., 17, 2332	48, 152
Acetylcymidine	$Me.Pr^{\alpha}.NHAc=1.4.5$	,,	....	112	Widmann	B., 15, 169	
Acetylisocymidine	$Me.Pr^{\beta}.NHAc=1.3.?$	,,	....	118	Kelbe and Warth	A., 221, 157	46, 47
Acetamidotetramethylbenzene	$Me_4.NHAc=1.2.3.5.6$	,,	....	210–211	Nölting and Baumann	B., 18, 1149; B.S., 42, 335	48, 384, 893
Methyltetrahydromethoxyquinaldin	$NMe.Me.OMe=\alpha_1\beta_1;\ \alpha_1$	,,	260–262	Liquid	Döbner and Miller	B., 17, 1708	46, 1374
Tetrahydroethoxymethylquinoline	$NMe.OEt=\alpha_1;\ \beta_1$	,,	269–270 (716)	Liquid	Fischer	B., 16, 718	
Isobutylic tolylcarbamate	$C_6H_4Me.(NH.CO_2Bu^{\beta})=1.2$	$C_{12}H_{17}O_2N$	275–280 p.d.	L. −10	Hofmann & Mylius	B., 5, 974; P. R., 19, 108	vii., 1180; 26, 266
Ethylic α-xylylglycocine	$Me_2.(NH.CH_2.CO_2Et)=1.3.?$	,,	....	Liquid	Ehrlich	B., 16, 206	44, 594
Carvacrol glycollamide	$Me.Pr^{\alpha}.(O.CH_2.CO_2H)=1.4.6$	,,	....	67–68	Spica	G. I., 10, 340	38, 889
Thymol ,, ...	,, $=1.4.5$	,,	....	96–97	,,	,,	,,
Amido-cumenylpropionic acid	$Pr.NH_2.(C_2H_4.CO_2H)=1.3.?$	,,	....	103–105	Widmann	B., 17, 2283	48, 56
Mesitylurethane	$Me_3.(NH.CO_2Et)=1.3.5.6$	,,	....	61–62	Eisenberg	B., 15, 1016	42, 956
Isobutylethoxynitrobenzene	$Bu^{\beta}.OEt.NO_2=?$	$C_{12}H_{17}O_3N$	300 d.	Liquid	Liebmann	B., 15, 1991	44, 59
Diethylic dimethylpyrroline dicarboxylate	$N.Me_2.(CO_2Et)_2=1.2,5.3.4$	$C_{12}H_{17}O_4N$	....	90–91	Knorr	B., 18, 302	48, 555
,, ,,	,, ,,	,,	....	*99*	,,	B., 18, 1560	48, 994
,, ,,	,, $=1.2.4.3.5$	,,	....	130	,,	B., 17, 1638	48, 1368
Dimethylic dihydrocollidine dicarboxylate	$N.Me_3.(CO_2Me)_2.H_2$ $=1.2.4.6.3.5.5.6$	,,	....	156	Hantzsch	B., 16, 1947	44, 1082
Oxypropyltoluidine oxalate....	$NH(C_3H_7O)(C_7H_7)+C_2H_2O_4$	$C_{12}H_{17}O_5N$	....	151	Morley	41, 388	
Helicinaldoxime	$C_6H_{11}O_5.O.C_6H_4.CH:NOH$ $=1.2$	$C_{12}H_{17}O_7N$	....	190	Tiemann and Kees	B., 18, 1663	48, 1072
Pentanitrolactose	$C_{12}H_{17}(NO_2)_5O_{11}$	$C_{12}H_{17}O_{21}N_5$	....	139·2 p.d.	Ge	J. R. [1882], 253	42, 1043
Dimethamidothymoquinone	$Me.Pr^{\alpha}.(NHMe)_2:O_2=?$	$C_{12}H_{18}O_2N_2$	....	203	Zincke	B., 14, 95	40, 596
?	....	$C_{12}H_{18}O_5N_2$	....	81	Ehrenberg	J. p., 32, 97	48, 1192
Diethyldimethylammonium picrate	$(O.NMe_2Et_2).(NO_2)_3=1.2.4.6$	$C_{12}H_{18}O_7N_4$	....	*285*	Meyer and Lecco	B., 8, 241; 10, 315	28, 633
,, ,,	,, ,,	,,	....	285–287	Lossen	A., 181, 374	32, 191
Tetranitrolactose	$C_{12}H_{18}(NO_2)_4O_{11}$	$C_{12}H_{18}O_{19}N_4$	....	80–81	Ge	J. R. [1882], 253	42, 1043
Diethamidoethoxybenzene	$OEt.NEt_2=1.2$	$C_{12}H_{19}ON$	227–228 (754·3)	Liquid	Föster	J. p. [2], 21, 364	38, 465
Camphorethylimide	$C_8H_{14}:(CO)_2:NEt$	$C_{12}H_{19}O_2N$	274–275	43–44	Wallach and Kamenski	B., 14, 164; A., 214, 249	40, 285
,, ...	,,	,,	*275–276*	*49–50*	,,	,,	,,
Cymidine acetate	$C_6H_3Me.Pr.NH_2+HAc$	,,	....	112	Widmann	B., 15, 169	42, 728
Ethylcyanethine carboxylate	$C_9H_{13}N_2.NH.CO_2Et$	$C_{12}H_{19}O_2N_3$	247	easily	Meyer	J. p., 30, 115	48, 140
Triethyldicarbopyrrolamide	$C_4H_2EtN(CO.NHEt)_2$	,,	....	229–230	Bell	B., 10, 1864	36, 525
Oxytetrolamide	$C_{12}H_9O_5(NH_2)_5$	$C_{12}H_{19}O_6N_5$	B. S., 33, 575	177–177·5	Demarçay	A. C. [5], 20, 479	40, 255
Trinitrolactose	$C_{12}H_{19}(NO_2)_3O_{11}$	$C_{12}H_{19}O_{17}N_3$	....	36·86	Ge	J. R. [1882], 253	42, 1043
Oxalylpiperidine	$(C_5H_{10}N.CO)_2$	$C_{12}H_{20}O_2N_2$	a. 350	88–89	Wallach	A., 214, 278	
,, ...	,,	,,	a. 360	*90*	Schotten	B., 15, 426	42, 983
Acroleïn-ammonia	....	$C_{12}H_{20}O_3N_2$	....	d. 100	Redtenbacher	A., 47, 114	i., 57
Diethoxyhydroxycaffeïne	$C_8H_9N_4O_2(OEt)_2.OH$	$C_{12}H_{20}O_5N_4$	A., 215, 274	195–205 d.	Fischer	B., 14, 641	40, 614
Diethylic oxaldiamidopropionate	$(.CO.NH.CHMe.CO_2Et)_2$	$C_{12}H_{20}O_6N_2$	sic	125–127	Schiff	B., 18, 490	48, 760
,, ,,	,,	,,	,,	152-154	,,	,,	,,

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dextro-campho-urethane	$C_9H_{15}.NH.CO_2Et$	$C_{12}H_{21}O_2N(?)$	....	115	Haller	C. R., 98, 578	**46**, 755
Lævo- „	„	„	....	126–127	„	„	„
Triethylic amidotriglycollate	$N(CH_2.CO_2Et)_3$	$C_{12}H_{21}O_6N$	280–290 p. d.	....	Heintz	A., 140, 264	**vi.**, 647
Diacetonamine anhydride	....	$C_{12}H_{24}ON_2$	....	83	Antrick	A., 227, 365	**48**, 503
Amylisocaproylcarbamide	$Me.(CH_2)_4.NH.CO.NH.CO.(CH_2)_2.Pr^{\beta}$	$C_{12}H_{24}O_2N_2$	....	94	Hofmann	B., 15, 758	**42**, 1053
Amylcaproylcarbamide ...	$Me.(CH_2)_4.NH.CO.NH.CO.(CH_2)_4Me$	„	....	97	„	„	„
Diisoamyloxamide	....	„	B., 13, 516	128–129	Wallach	A., 214, 316	**44**, 49
Diamyloxamide	$(.CO.NH.C_5H_{11})_2$	„	....	139	Wurtz	A. C. [3], 30, 490	**iv.**, 285
Lauramide	$C_{11}H_{23}.CO.NH_2$	$C_{12}H_{25}ON$	....	102	Krafft and Stauffer	B., 15, 1729	**42**, 1273
Dinitrodiphenylene ketone....	fr.$(C_6H_4)_2 : CO=(1.2)_2$	$C_{13}H_6O_5N_2$	....	290	Schultz	A., 203, 104	**38**, 814
α-Dinitrodiphenylene ketone oxide	fr.$CO : (C_6H_4)_2 : O$	$C_{13}H_6O_6N_2$	....	145–150	Richter	J. p. [2], 28, 273	**46**, 325
β- „ „	„	„	....	260	„	„	„
β- „ „	„	„	....	*260*	Salzmann and Wichelhaus	B., 10, 1401 ; 16, 862	**34**, 80
β- „ „	„	„	....	262	Perkin	43, 190	
Tetranitrobenzophenone	$CO : C_{12}H_6(NO_2)_4$	$C_{13}H_6O_9N_4$	....	225	Staedel	A., 218, 339	**44**, 991
Tetranitrodiphenylic carbonate	$[C_6H_3(NO_2)_2]_2CO_3$	$C_{13}H_6O_{11}N_4$	....	125·5	Kempf	J. p. [2], 1, 407	**24**, 342
Quinone	fr.α-naphthoquinoline	$C_{13}H_7O_2N$	....	205–207 d.	Skraup and Cobenzl	M. C., 4, 436	**44**, 1014
Nitrodiphenylene ketone	$C_6H_4.CO.C_6H_3.NO_2$ =1.2; 1.2.4	$C_{13}H_7O_3N$	....	217–218	Strasburger	B., 17, 108	**46**, 754
„ „	„ „	„	....	*220*	Schultz	A., 203, 103	**38**, 814
Anhydrobenzamidodinitrophenol	$C_6H_2(NO_2)_2.O.CPh : N$ =(?)$_2$.1.2	$C_{13}H_7O_5N_3$	....	218	Hübner	A., 210, 394	**42**, 507
Dinitrophenylic m-nitrobenzoate	$C_6H_4(NO_2).CO_2.C_6H_3(NO_2)_2$	$C_{13}H_7O_8N_3$	....	150	List and Limpricht	A., 90, 201	**i.**, 556
Phenanthroline carboxylic acid	$C_5NH_3.CH : C(CO_2H).C_5NH_3$ =1.2.3.4.5.6 ; 5.6.1.2.3.4	$C_{13}H_8O_2N_2$	....	277	Skraup and Fischer	M. C., 5, 253	**48**, 393
Dinitrofluorene	$C_{12}H_6(NO_2)_2 : CH_2$	$C_{13}H_8O_4N_2$	....	199–201	Fittig and Schmitz	A., 193, 140	**36**, 164
„	„	„	brown, 200	255–260 d.	Barth and Goldschmidt	B., 11, 849	**34**, 734 ; **vii.**, 673
„	„	„	....	a. 260 d.	Barbier	A. C. [5], 7, 472	**37**, 718
?-Dinitrobenzophenone	$CO : C_{12}H_8(NO_2)_2$	$C_{13}H_8O_5N_2$	B., 10, 1836	118 (?)	Doer	B., 5, 797	**26**, 171 ; **vii.**, 939
„ „	„	„	„	129	Linnemann	A., 133, 10	**iv.**, 478
„ „	„	„	....	129·5	Doer	B., 5, 797	**26**, 171
β- „	„	„	....	148–149	Staedel and Saur	B., 13, 836	**38**, 646
„ „	„	„	....	*148–149*	Prätorius	B., 10, 1836 ; A., 194, 349	**34**, 420 ; **36**, 319
„ „	„	„	....	148–149	Staedel	A., 218, 339	**44**, 991
α- „	„	„	....	189	Staedel and Saur	B., 11, 1747	
„ „	„	„	....	189–190	Staedel	A., 218, 339	**44**, 991
„ „	„	„	....	*189–190*	Prätorius	B., 10, 1836 ; 11, 745 ; A., 194, 349	**34**, 420 ; **36**, 242, 319
γ- „	„	„	....	189–190	Staedel	A., 218 ; 339	**44**, 991
„ „	„	„	....	*195–196*	Prätorius	A., 194, 371	**36**, 319
„ „	„	„	....	a. 196	Staedel	B., 11, 745	**34**, 671
Dinitrodiphenyl carboxylic acid	$C_6H_4(NO_2).C_6H_3(NO_2).CO_2H$ =1.4; 1.2.4	$C_{13}H_8O_6N_2$	....	252	Strasser & Schultz	A., 210, 192	**42**, 521
Trinitrobenzanilide	$C_6H_2(NO_2)_2.NH.CO.C_6H_4$ NO_2=1.3.4; 1.3	$C_{13}H_8O_7N_4$	....	165	Hübner	B., 10, 1708	**34**, 142
„	„ =1.?.3; 1.2	„	....	178	„	„	„
„	„ =1.?.3; 1.?	„	....	202	„	„	„
„	„ „	„	....	212	„	„	„
Tetranitrodiphenylmethane	$CH_2 : C_{12}H_6(NO_2)_4$	$C_{13}H_8O_8N_4$	....	172	Doer	B., 5, 795	**26**, 170 ; **vii.**, 948
„	„	„	....	172	Staedel	A., 218, 339	**44**, 991
Nitrobenzyl picrate	$NO_2.C_6H_4.CH_2.O.C_6H_2(NO_2)_3$ =1.4; 1.2.4.6	$C_{13}H_9O_9N_4$	....	108	Kumpf	B., 17, 1077	**46**, 1005

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tetranitrocarbanilide	$CO[NH.C_6H_3(NO_2)_2]_2$	$C_{13}H_8O_9N_6$	....	a. 200	Losanitch	B., 10, 690, 1296	
"	"	"	....	204	"	B., 11, 1541	
Benzenylamidophenol ...	$C_6H_4.O.CPh : N=1.2$	$C_{13}H_9ON$	314–317	103	Ladenburg	B., 9, 1526	**31**, 304
"	" "	"	....	103	Morse	B., 7, 1319	
"	" "	"	....	103	Hübner & Stünkel	A., 210, 384	**42**, 506
"	" "	"	....	103	Böttcher	B., 16, 630	
"	" "	"	....	103	Kalckhoff	B., 16, 1828	**44**, 1110
Diphenyleneacetoxime	$C_6H_4.C_6H_4.C : NOH$	"	B., 17, 807	192	Spiegler	M. C., 5, 195	**46**, 1182
β-hydroxynaphthoquinoline	$HO.C_{10}H_5 : C_3NH_3$	"	....	w.m. 250 p.d.	Gentil	B., 18, 202	**48**, 561
Nitrofluorene (A.C. [5], 7, 497)	$C_6H_4.CH_2.C_6H_3.NO_2=1.2$; 1.2.4	$C_{13}H_9O_2N$	....	154	Strasburger	B., 17, 108	**46**, 754
Carbazolic acid	$C_{12}H_8N.CO_2H$	"	....	271–272	Ciamician & Silber	G. I. [1882], 272	**42**, 1103
Nitroanhydrobenzoyldiamidobenzene	$C_6H_3(NO_2).NH.CPh : N$ =?.1.2	$C_{13}H_9O_2N_3$	....	196	Stöver	B., 7, 1317	**28**, 271
" "	" "	"	....	196	Hübner	A., 208, 308	**40**, 1131
Nitrobenzophenone	$C_6H_4(NO_2).COPh=1.3$	$C_{13}H_9O_3N$	....	*92*	Becker	B., 15, 2092	**44**, 203
"	" "	"	....	94–95	Geigy and Königs	B., 18, 2401	**48**, 1236
"	" =1.2	"	....	105	"	B., 18, 2403	"
"	" =1.4	"	....	138	Basler	B., 16, 2718	**46**, 310
Benzoxynitrosobenzene	$C_6H_4(NO).OBz=1.4$	"	....	168–175 d.	Walker	B., 17, 400	**46**, 1003
Benzoxynitrobenzene	$C_6H_4(NO_2).OBz=1.2$	$C_{13}H_9O_4N$	....	55	Schiaparelli	G. I., 11, 65	**40**, 603
"	" "	"	....	*58*	Hübner	A., 210, 386	**42**, 506
"	" =1.4	"	....	*142*	"	A., 210, 377	"
"	" "	"	....	142	Schiaparelli	G. I., 11, 65	**40**, 603
Nitro-o-diphenylcarboxylic acid	$C_{12}H_8(NO_2).CO_2H$	"	....	221–222	Schmitz	A., 193, 123	**36**, 164
" -p- "	"	"	....	252	Schmidt & Schultz	A., 203, 118	**40**, 435
" -p- "	"	"	....	290	"		"
Ethylic nitro-β-naphthoate....	$C_{10}H_6.NO_2.CO_2Et$	"	....	93 u.c.	Ekstrand	B., 18, 1206	**48**, 905
" " -β- "	"	"	....	110–111 u.c.	"	B., 18, 1208	"
" " -β- "	"	"	....	122 u.c.	"	B., 18, 1207	"
Acid fr. β-naphthoquinoline	....	"	$+H_2O$	206	Skraup	B., 15, 896	
α-phenylpyridinedicarboxylic acid	$N.CO_2H.(C_6H_4.CO_2H)=1.3.2$	"	....	230–235 d.	Skraup & Cobenzl	M. C., 4, 436	**44**, 1014
m-nitrobenzylidenenitraniline	....	$C_{13}H_9O_4N_3$	....	114	....	J. [1870], 760	
Dinitrobenzanilide	$C_6H_4(NO_2).NH.CO.C_6H_4.NO_2=(1.3)_2$	$C_{13}H_9O_5N_3$	....	187	McHugh	B., 7, 1268 ; 8, 36	**28**, 271
Nitrobenzeneazosalicylic acid	$C_6H_4(NO_2).N_2.C_6H_3(OH).CO_2H=1.4$; 4.1.2	"	....	225 d. (?)	Meldola	47, 666	
Dinitrobenzamidophenol	fr. $C_6H_4(OH).NHBz=1.2$	$C_{13}H_9O_6N_3$	....	173	Morse	B., 7, 1320	**28**, 272 ; vii., 903
Benzamidodinitrophenol	$OH.NHBz.(NO_2)_2=1.2.4.6$	"	....	218–219	Stuckenberg	B., 10, 383	**32**, 474
"	" "	"	....	220	Dabney	A. C. J., 5, 20	**46**, 309
"	" "	"	....	220	Hübner	A., 210, 388	**42**, 506
"	" "	"	....	222–223 d.	Böttcher	B., 16, 632	
"	" =1.4.2.6	"	....	250	Dabney	A. C. J., 5, 20	**46**, 309
"	" $=1.4.(?)_2$	"	....	250	"	"	**46**, 308
Nitrobenzamidonitrophenol	$OH.NO_2.NH(CO.C_6H_4.NO_2)=1.?4$; (1.3)	"	....	225	Hübner	A., 210, 380	**42**, 506
Benzoxydinitroamidobenzene	$OBz.NH_2.(NO_2)_2=1.2.(?)_2$	"	....	218–219	"	A., 205, 74 ; 210, 395	**42**, 507
Dinitrophenamidobenzoic acid	$C_6H_3(NO_2)_2.NH.C_6H_4.CO_2H=4.2.1$; 1.2	"	....	262–264	Jourdan	B., 18, 1449	**48**, 988
Benzyl picrate	$(O.CH_2Ph).(NO_2)_3=1.2.4.6$	$C_{13}H_9O_7N_3$	....	149	Kumpf	B., 17, 1076	**46**, 1005
Trinitrobenzylphenol	$C_6H_4(NO_2).CH_2.C_6H_2(OH)(NO_2)_2=1.4$; 1.4.3.5	"	....	148	Rennie	41, 36	
β-Dinitrophenylnitrobenzyl oxide	$C_6H_4(NO_2).CH_2.O.C_6H_3(NO_2)_2=1.4$; 1.2.6	"	....	137	Kumpf	B., 17, 1077	**46**, 1005
α- " "	" " =1.4 ; 1.2.4	"	....	198	Staedel	B., 14, 899	**40**, 723
α- " "	" "	"	....	201	Kumpf	B., 17, 1077	**46**, 1005

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Dinitrophenylnitrobenzyl oxide	$C_6H_4(NO_2).CH_2.O.C_6H_3(NO_2)_2$=1.4 ; 1.2.4	$C_{13}H_9O_7N_3$	....	198	Finkentscher	A., 217, 177-182	
Anilidocarbamidophenol	$O.C_6H_4.N:C.NHPh$=1.2	$C_{13}H_{10}ON_2$	....	173	Kalckhoff	B., 16, 1826	**44**, 1110
Hydroxybenzenylphenylene-amidine	$NH.C_6H_4.N:C.C_6H_4.OH$ =(1.2)$_2$	"	....	222·5	Hübner and Mensching	B., 13, 463 ; A., 210, 345	**38**, 556
Diamidodiphenylene ketone	fr. $(C_6H_4)_2:CO$=(1.2)$_2$	"	....	286	Schultz	A., 203, 95	**38**, 814
Benzylidenenitraniline	$Ph.CH:N.C_6H_4.NO_2$=1.?	$C_{13}H_{10}O_2N_2$	....	66	Lazorenco	J. [1870], 760	
Nitrobenzylideneaniline	$C_6H_4(NO_2).CH:NPh$=1.3	"	....	61	"	"	
" ...	" =1.4	"	....	93	Fischer	B., 14, 2526	**42**, 393
Nitrobenzanilide	$C_6H_4(NO_2).CO.NHPh$=1.3	$C_{13}H_{10}O_3N_2$	....	144	Engler and Volkhausen	B., 8, 35	**28**, 643
"	" "	"	....	144	Mears	B., 9, 774	**30**, 309
Benzamidonitrobenzene	$C_6H_4(NO_2).NHBz$=1.2	"	....	94	Hübner & Schwartz	B., 10, 1708	**34**, 142
"	" "	"	....	94	Hübner	A., 208, 301	**40**, 1131
"	" "	"	....	*94–95*	Stöver	B., 7, 463, 1315	**27**, 806
"	" =1.3	"	....	152	Bell	B., 7, 498	**27**, 900
" ...	" "	"	....	154	Hübner & Schwartz	B., 10, 1708	**34**, 142
" (cf. A., 208, 297)	" "	"	....	155·5	Hübner	B., 10, 1716	
"	" =1.4	"	....	199	Stöver	B., 7, 463, 1315	**28**, 271
" (cf. A., 208, 294)	" "	"	....	199	Hübner & Schwartz	B., 10, 1708	**34**, 142
Phenolazobenzoic acid	$C_6H_4(OH).N_2.C_6H_4.CO_2H$ =1.? ; 1.3	"	....	220	Griess	B., 14, 2033	**42**, 48
Benzoylnitroamidophenol	$OH.NHBz.NO_2$=1.2.4 or 1.4.2	$C_{13}H_{10}O_4N_2$	....	200 d.	Post	A., 205, 73	
Nitrosalicylanilide	$OH.NO_2.(CO.NHPh)$=1.3.4	"	....	224	Mensching & Hübner	B., 13, 462 ; A., 210, 343	**38**, 556
Nitrobenzamidophenol	$HO.C_6H_4.NH.CO.C_6H_4.NO_2$	"	....	139 d.	Morse	B., 7, 1320	**28**, 272
Salicylnitranilide	$HO.C_6H_4.CO.NH.C_6H_4.NO_2$=1.2 ; 1.2	"	....	154	Hübner	A., 210, 345	
"	" =1.2 ; 1.3	"	....	*217–218*	Wanstrat	B., 6, 337	**26**, 907
"	" "	"	....	218–219	Bell	C. N., 31, 244	**28**, 1201
"	" =1.2 ; 1.4	"	....	229–230	"	"	"
"	$HO.C_6H_4.CO.C_6H_3(NH_2).NO_2$ =1.2 ; ?.1.4	"	....	115	Haarmann	B., 6, 339	**26**, 907
Dinitrodiphenylmethane	fr. $Ph.CH_2.C_6H_4.NO_2$=1.3	"	....	*94*	Becker	B., 15, 2092	**44**, 203
"	$CH_2:C_{12}H_8(NO_2)_2$	"	....	*118*	Prätorius	A., 194, 366	**36**, 319
"	"	"	....	118	Staedel	B., 11, 745	**34**, 671
"	fr. $Ph.CH_2.C_6H_4.NO_2$=1.4	"	....	172	Doer	B., 5, 795	vii., 948 ; **26**, 170
"	" "	"	....	175	Basler	B., 16, 2719	**46**, 310
"	$CH_2:C_{12}H_8(NO_2)_2$	"	....	183	Doer	B., 5, 795	**26**, 170
"	"	"	....	183	Prätorius	A., 194, 369	**36**, 319
Resorcinolazobenzoic acid	$C_6H_3(OH)_2.N_2.C_6H_4.CO_2H$ =1.3.? ; 1.3	"	....	d.	Griess	B., 14, 2034	**42**, 49
Dinitrotolylphenyl	fr. $Ph.C_6H_4.Me$=1.4	"	....	153–157	Carnelley	J. [1876], 420	**29**, 23
β-dinitrophenylbenzyloxide....	$Ph.CH_2.O.C_6H_3(NO_2)_2$=1.2.6	$C_{13}H_{10}O_5N_2$	....	76	Kumpf	B., 17, 1076	**46**, 1005
α- " ...	" =1.2.4	"	....	149	"	"	"
Nitrophenylnitrobenzyloxide	$C_6H_4(NO_2).CH_2.O.C_6H_4(NO_2)$ =1.4 ; 1.2	"	....	129	"	B., 17, 1077	"
"	" =(1.4)$_2$	"	....	183	"	"	"
Benzyldinitrophenol....	$Ph.CH_2.C_6H_2(OH)(NO_2)_2$	"	....	87–88	Rennie	41, 222	
Dinitrodiphenylcarbamide	$CO(NH.C_6H_4.NO_2)_2$=(1.3)$_2$	$C_{13}H_{10}O_5N_4$	....	233	Losanitsch	B., 16, 50	**44**, 583
"	" =?	"	....	a. 100	Brückner	B., 7, 1235	
Benzyldinitroquinol	$(O.CH_2Ph).OH.(NO_2)_2$ =1.4.(?)$_2$	$C_{13}H_{10}O_6N_2$	....	137	Pellezzari	G. I., 13, 501	**46**, 437
Ethylic dinitro-α-naphthoate	$C_{10}H_5(NO_2)_2.CO_2Et$	"	....	143 u.c.	Ekstrand	B., 17, 1601	**46**, 1361
" -β- "	"	"	....	141 u.c.	"	B., 17, 1603	"
" -β- "	"	"	....	165 u.c.	"	"	"
Formodiphenylamine ...	$H.CO.NPh_2$	$C_{13}H_{11}ON$	210–220 (i.v.)	73–74	Girard and Willm	B. S., 24, 99 ; B., 8, 1195	**30**, 99

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Formodiphenylamine	$H.CO.NPh_2$	$C_{13}H_{11}ON$	....	?	Tobias	B., 15, 2866	
Diphenylacetoxime	$Ph_2C:NOH$	”	B., 16, 823	139·5–140	Janny	B., 15, 2782	**44**, 580
Benzanilide	$C_6H_5.CO.NHPh$	”	A., 60, 311	160–161	Wallach	A., 184, 79	
”	”	”	....	*159*	Leuckart	B., 18, 873	**48**, 773
”	”	”	....	159	Frankland & Louis	37, 745	
”	”	”	....	159	Pieschel	A., 175, 310	
”	”	”	....	163	Hübner	A., 208, 291	**40**, 1130
Amidobenzophenone ...	$Ph.CO.C_6H_4.NH_2=1.3$	”	....	*87*	Geigy and Königs	B., 18, 2401	**48**, 1236
”	” $=1.2$	”	....	103	Higgin	41, 134	
”	” ”	”	....	*105–106*	Geigy and Königs	B., 18, 2404	**48**, 1236
”	” $=1.4$	”	....	123	Higgin	41, 133	
”	” ”	”	....	124	Geigy and Königs	B., 18, 2404	**46**, 1236
”	” ”	”	....	*124*	Doebner	B., 13, 1013; A., 210, 268	**38**, 804
”	” ”	”	....	124	Doebner and Weiss	B., 14, 1836	
Formamidodiphenyl	$Ph.C_6H_4.NH.COH=1.4$	”	....	172	Zimmermann	B., 13, 1967	**40**, 176
Hydroxybenzaldehydeanilide	$HO.C_6H_4.CH:NPh=1.4$	”	....	190–191	Herzfeld	B., 10, 1272	**34**, 66
Pseudocinnamylpyrroline	$C_4H_4N.CO.CH:CHPh$	”	....	141–142	Ciamician & Dennstedt	B., 17, 2947	**48**, 378
Diamidohydracridine ketone	$CO.C_6H_4.NH.C_6H_2(NH_2)_2$ $=2.1;?.1.2.4$	$C_{13}H_{11}ON_3$	....	222–223	Jourdan	B., 18, 1452	**46**, 988
Phenylic phenylcarbamate	$NHPh.CO_2Ph$	$C_{13}H_{11}O_2N$	....	122	Hofmann	B., 4, 249	**24**, 395
” ”	”	”	....	*122 u. c.*	Eckenroth	B., 18, 517	**46**, 786
” ”	”	”	....	124	Leuckart & Schmidt	B., 18, 2339	**vii.**, 408
” ”	”	”	....	125	Gumpert	J. p. [2], 31, 119	**48**, 656
Benzylnitrobenzene	$Ph.CH_2.C_6H_4.NO_2=1.3$	”	....	Liquid	Becker	B., 15, 2091	
”	” $=1.4$	”	....	31	Basler	B., 16, 2717	**46**, 310
Benzoxyamidobenzene	$C_6H_4(OBz).NH_2=1.2$	”	....	unstable	Böttcher	B., 16, 630	
”	” $=1.4$	”	....	153-154	Hübner	A., 210, 379	**42**, 505
Formylhydroxydiphenylamine	$C_6H_4.OH.(NPh.COH=1.4$	”	....	178	Philip and Calm	B., 17, 2436	**48**, 156
Hydroxybenzanilide	$HO.C_6H_4.CO.NHPh=1.2$	”	....	132	Kupferberg	J. p. [2], 16, 443	**34**, 320
”	” ”	”	....	*134–135*	Wanstrat	B., 6, 336	**26**, 906
”	” ”	”	....	....	Hübner	A., 210, 342	
”	” $=1.3$	”	....	154–155	Kupferberg	J. p. [2], 16, 445	**34**, 320
”	” $=1.4$	”	....	196–197	”	J. p. [2], 16, 444	”
Benzamidophenol (!)	$C_6H_4.OH.NHBz=1.2(?)$	”	B., 16, 632	103	Morse	B., 7, 1319	**28**, 272
”	” $=1.2$	”	....	165; 167	Böttcher	B., 16, 631; C. C. [1884], 898	**44**, 800; **48**, 658
”	” ”	”	....	*167*	Hübner	A., 210, 387	**42**, 506
”	” $=1.4$	”	....	227·5	”	A., 210, 378	**42**, 505
β-nitrotolylphenyl	fr. $Ph.C_6H_4.Me=1.4$	”	305–325	Liquid	Carnelley	J. [1876], 419	**29**, 22
α- ”	” ”	”	....	141	”	”	”
Dihydroxybenzaldehydeanilide	$(CH:NPh).(OH)_2=1.2.5$	”	....	needles	Tiemann and Müller	B., 14, 1987	
β-naphthimidoacetate	$C_{10}H_7.C(OAc):NH$	”	....	150–152	Pinner and Klein	B., 11, 1487	**36**, 48
Nitrobenzylidenephenylhydrazine	$NHPh.N:CH.C_6H_4.NO_2=1{\cdot}3$	$C_{13}H_{11}O_2N_3$	....	121	Schrœder	B., 17, 2097	**46**, 1323
Nitrobenzylphenyl oxide	$Ph.O.CH_2.C_6H_4.NO_2=1.4$	$C_{13}H_{11}O_3N$	....	91	Kumpf	B., 17, 1077	**46**, 1005
Nitrophenylbenzyl oxide	$Ph.CH_2.O.C_6H_4.NO_2=1.2$	”	....	29	”	B., 17, 1076	”
” ”	” $=1.4$	”	....	106	”	B., 17, 1075	”
Benzylnitrophenol	$OH.NO_2.CH_2Ph=1.2.4$	”	....	71; *74–75*	Rennie	41, 221	
Methylic pyrrolinemethylbenzoate	$C_4H_3N:CH.C_6H_4.CO_2Me$	”	....	104–105	Ciamician & Dennstedt	B., 17, 2959	**48**, 379
Nitrocarbanilide	$NHPh.CO.NH.C_6H_4.NO_2$	$C_{13}H_{11}O_3N_3$	....	187	Brückner	B., 7, 1236	**28**, 166
Amidobenzeneazosalicylic acid	$NH_2.C_6H_4.N_2.C_6H_3(OH).CO_2H$	”	....	219–220 d.	Meldola	47, 667	
Benzylnitroquinol	$OH.(O.CH_2Ph).NO_2=1.4.5$	$C_{13}H_{11}O_4N$	....	137	Schiff	G. I., 13, 538	**46**, 433
”	” $=1.4.6$	”	....	156–158 d.	”	”	”
Ethylic nitro-α-naphthoate	$C_{10}H_6.NO_2.CO_2Et=?\alpha$	”	acid m.p. 196	63	Ekstrand	B., 12, 1394	**38**, 261
” ” -α- ”	” $=?\alpha$;	”	” 215	68–69	”	B., 18, 74	**48**, 548

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic nitro-α-naphthoate	$C_{10}H_6.NO_2.CO_2Et$=?α	$C_{13}H_{11}O_4N$	acid m.p. 233	92	Ekstrand	B., 12, 1395	**38**, 261
„ „ -α- „	„ „	„	„ 238	93	Graeff	B., 14, 1066	
„ „ -α- „	„ „	„	„ 241	93	„	B., 16, 2252	**46**, 81
„ „ -β- „	„ =?β	„	„ 220	82	Ekstrand	B., 12, 1395	**38**, 261
„ „ -β- „	„ „	„	„ 280	107	„	B., 12, 1396	„
„ „ -β- „	„ „	„	„ 295	109	Graeff	B., 16, 2254	**46**, 81
Dinitromethyldiphenylamine	$C_6H_3.NMePh.(NO_2)_2$	$C_{13}H_{11}O_4N_3$	....	167 u. c.	Leymann	B., 15, 1235	**42**, 1057
γ-dinitrotolylphenylamine	$C_6H_2Me.(NO_2)_2.NHPh$	„	....	142	Hepp	A., 215, 369	**44**, 317
Dinitrophenyltoluidine	$C_6H_4Me.NH.C_6H_3(NO_2)_2$ =1.2 ; $(?)_3$	„	....	101–102	Leymann	B., 15, 1236	**42**, 1057
„	„ =1.4 ; 1.2.4	„	....	135	Engelhardt and Latschinoff	Z. C. [2], 6, 225	vii., 147
„	„ „	„	....	136	Willgerodt	B., 9, 980	**30**, 405
„	„ „	„	....	*137*	....	Z. C. [1870], 233	„
Dinitrodiphenylguanidine	$NH:C(NH.C_6H_4.NO_2)_2$	$C_{13}H_{11}O_4N_5$	....	190	Brückner	B., 7, 1235	**28**, 166
Benzylphenylnitrosamine	$Ph.CH_2.NPh.NO$	$C_{13}H_{12}ON_2$	....	58	Antrick	A., 227, 360	**48**, 543
Benzoylphenylhydrazine	Ph.NH.NH.CO.Ph	„	....	168	Fischer	A., 190, 125	**34**, 308
Diphenylcarbamide	$NH_2.CO.NPh_2$	„	B., 8, 1666	*189 u. c.*	Michler	B., 9, 397, 715	**30**, 91
„	$CO(CNHPh)_2$	„	....	200–203	Schiff	B., 3, 651	vii., 253
„	„	„	....	205	Hofmann	A., 57, 266 ; 70, 138	i., 756
„	„	„	....	225	Willm & Wischen	[2], 6, 192	vii., 253
„	„	„	....	220–235	Rottermund	A., 175, 257	**28**, 768
„	„	„	....	232–233	„	„	„
„	„	„	....	233–235	Kühn	B., 18, 1478	
„	„	„	....	235	„	B., 18, 1477	
„	„	„	....	235	Steiner	B., 8, 519	**28**, 883
„	„	„	....	235	Michler	B., 9, 716	
„	„	„	....	*235*	Buff	B., 2, 499	vii., 583
„	„	„	....	235	Weith	B., 9, 821	**30**, 639
„	„	„	260	....	Hentschel	J. p., 27, 498	**44**, 1108
„ (cf. B., 14, 2444)	„	„	....	235	Bender	B., 13, 699	
„	„	„	....	235	Hofmann	B., 14, 2735	
„	„	„	....	234–235	....	A.	
„	„	„	....	238	....	A.	
Amidobenzanilide	$Ph.NH.CO.C_6H_4.NH_2$=1.3	„	....	114	Engler and Volkhausen	B., 8, 35	**28**, 643
„	„ =1.2	„	....	129	Piutti	B., 16, 1321	**44**, 999
„	„ „	„	....	130	Kolbe	J. p. [2], 30, 467	**48**, 666
Benzdiamidobenzene	$C_6H_4.NH_2.NHBz$=1.3	„	....	125	Bell	B., 7, 498	**27**, 900
„	„ =1.4	„	....	125	Stöver	B., 7, 463	**27**, 806
„	„ „	„	....	128	Hübner	A., 208, 295	**40**, 1130
„	„ =1.2	„	$C_6H_4(NH_2)_2$?	140	Mixter	A. C. J., 6, 26	**46**, 1327
„ (?)	„ =1.3	„ (?)	....	260	Hübner	A., 208, 298	
Hydroxybenzylidenephenylhydrazine	$HO.C_6H_4.CH:N_2HPh$=1.2	„	....	142–143	Rössing	B., 17, 3004	
„ „	„ „	„	....	142–143	Tiemann and Kees	B., 18, 1660	
Methyloxyazobenzene	$Ph.N_2.O.C_6H_4Me$	„	....	53·5–54	Scichilone	G. I. [1882], 108	**42**, 726
Phenylazocresol (J., 1879, 465)	$Ph.N_2.C_6H_3Me.OH$=?.1.3	„	....	109	Nölting and Kohn	B., 17, 366	**46**, 902
„	„ =?.1.4	„	....	108–109	Mazzara	G. I., 9, 424	**38**, 163
„	„ „	„	....	108–109	Nölting and Kohn	B., 17, 352	**46**, 901
„	„ „	„	....	*108*	Liebermann and Kostanecki	B., 17, 131	**46**, 736
„	„ =?.1.2	„	....	*128–130*	„	„	„
„	„ „	„	....	129–130	Nölting and Kohn	B., 17, 363	**46**, 902
Phenolazotoluene	$HO.C_6H_4.N_2.C_6H_4Me$ =1.? ; 1.4	„	....	151	Kimich	B., 8, 1030	**29**, 268
γ-Diamidobenzophenone	$CO:C_{12}H_3(NO_2)_2$	„	....	131	Staedel	A., 218, 339	**44**, 991
β- „	„	„	J. p., 46, 509	165	Doer	B., 5, 797	**26**,171 ; vii, 939
β- „	„	„	....	165	Städel	B., 11, 744	**34**, 671
β- „	„	„	....	165	Prätorius	A., 194, 356	**36**, 319
α- „	„	„	....	172	„	A., 194, 338	**36**, 242

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Diamidobenzophenone	$CO : C_{12}H_8(NO_2)_2$	$C_{13}H_{12}ON_2$	....	172	Staedel	A., 218, 339	**44**, 991
α- „	„	„	....	172	Staedel and Saur	B., 11, 1748	
Harmin (cf. J., 1854, 525)	see B., 18, 405	„	A., 64, 365	256–257 d.	Fischer and Täuber	B., 18, 400	**48**, 820
Nitrobenzylphenylamine	$Ph.NH.CH_2.C_6H_4.NO_2$	$C_{13}H_{12}O_2N_2$	...	68	Strakosch	B., 6, 1062	**27**, 80
Salicyl-α-amidoanilide	$NH_2.C_6H_4.NH.CO.C_6H_4.OH$ =1.3 ; 1.2	„	....	143	Bell	C. N., 31, 244 ; J. [1875], 746	**28**, 1201
„ -β- „	„ =1.4 ; 1.2	„	....	158	„	„	„
Resorcinolazotoluene	$C_6H_4Me.N_2.C_6H_3(OH)_2$ =1.2 ; ?.1.3	„	....	175–176	Wallach & Fischer	B., 15, 2825	
„	„ =1.4 ; ?.1.3	„	....	183–184	„	B., 15, 2821	
„	„ „	„	....	187	Wallach	B., 15, 26	**42**, 610
Orcinol azobenzene	$Ph.N_2.C_6H_2Me(OH)_2$=?.1.3.5	„	....	183	Typke	B., 10, 1579	**34**, 219
Phenylmethylacetoxypyrimidine	$C_4N_2HPh.Me.OAc$	„	B., 18, 760	40–41	Pinner	B., 18, 762	**48**, 752
Nitrodiphenylguanidine	$NH : C(NHPh).NH.C_6H_4.NO_2$	$C_{13}H_{12}O_2N_4$	....	131–132	Brückner	B., 7, 1236	**28**, 166
Toluidineazonitrobenzene	$NO_2.C_6H_4.N_2.C_6H_3Me.NH_2$ =4.1 ; 5.1.2	„	....	198	Nölting and Binder	B. S., 42, 340	**48**, 385
Toluquinone + o-nitraniline	....	$C_{13}H_{12}O_4N_2$	....	37	Hebebrand	B., 15, 1976	
Dinitrophendiamidotoluene	$NH_2.C_6H_3Me.NH.C_6H_3(NO_2)_2$=4.1.2 ; (?)$_3$	$C_{13}H_{12}O_4N_4$	....	184	Leymann	B., 15, 1237	**42**, 1057
α-Trinitrotolueneaniline	$C_6H_2Me(NO_2)_3.NH_2Ph$	$C_{13}H_{12}O_6N_4$	....	83–84	Hepp	A., 215, 365	**44**, 317
Lutidine picrate	$(C_5NH_3Me_2).C_6H_2(NO_2)_3.OH$	$C_{13}H_{12}O_7N_4$	....	161	Epstein	B., 18, 883	**48**, 815
„ „	„	„	....	176–179	Hantzsch	B., 17, 2909	**48**, 397
α-γ- „ „	„	„	....	177	Michael	B., 18, 2026	
„ „ „	„	„	....	179	Ladenburg & Roth	B., 18, 1593	
„ „ „	„	„	....	179	Ladenburg	B., 18, 914	
„ „ „	„	„	....	181	Voges	A., 215, 56	
„ „ „	„	„	....	181	Hantzsch	B., 17, 2903	
Methylacet-α-naphthalide	$C_{10}H_7.NMeAc$	$C_{13}H_{13}ON$	....	90–91	Landshoff	B., 11, 643	**34**, 587
Methylpseudostyril of phenyl picoline	$CPh : CH.CO.NMe.CMe : CH$	„	....	112	Hantzsch	B., 17, 2916	**48**, 398
?	$CO.CH : CMe.NPh.CMe : CH$	„	....	197	Perkin	B., 18, 684	**48**, 762
Diphenylsemicarbazide	$NHPh.CO.NH.NHPh$	$C_{13}H_{13}ON_3$	....	170	Kühn	B., 17, 2885	**48**, 261
Amidobenzdiamidobenzene....	$NH_2.C_6H_4.NH.CO.C_6H_4.NH_2$=(1.3)$_2$	„	....	129	McHugh	B., 7, 1268	
p-Toluidineazophenol	$NH_2.C_6H_3Me.N_2.C_6H_4.OH$	„	....	172	Wallach	B., 15, 2827	**44**, 584
β-naphthylurethane	$C_{10}H_7.NH.CO_2Et$	$C_{13}H_{13}O_2N$	....	73	Cosiner	B., 14, 60	**40**, 606
α- „ „	„	„	....	79	Hofmann	P. R., 19, 108 ; B., 3, 658	**24**, 139 ; vii., 253
Ethylic methylquinoline carboxylate	$CMe : N.C_6H_4.CH : C.CO_2Et$	„	....	71	Friedländer and Gohring	B., 16, 1837	**44**, 1149
Aniline salicylate	$HO.C_6H_4.CO_2H+NH_2Ph$ =1.2	$C_{13}H_{13}O_3N$	....	150	Guthrie	P. M. [5], 18, 27	
Acetamidocinnamenylacrylic acid	$NHAc.C_6H_4.CH : CH.CH : CH.CO_2H$=1.2	„	....	253 d.	Diehl and Einhorn	B., 18, 2333	**48**, 1223
Nitroharmalin	$C_{13}H_{13}(NO_2)N_2O$	$C_{13}H_{13}O_3N_3$	....	120	Fritzsche	A., 68, 355 ; 72, 306	iii., 9
Methylic coumalanilidic acid	$C_4N_3(NHPh).CO_2Me.CO_2H$	$C_{13}H_{13}O_4N$	....	140 d.	Pechmann & Welsh	B., 17, 2393	**47**, 152 ; **48**, 175
Ethylic acetindoxylate	$N.C_6H_4.C(OAc).CH.CO_2Et$	„	....	138	Baeyer	B., 14, 1742	**42**, 198
Ethylic nitrobenzoyltrimethylene carboxylate	$CH_2.CH_2.C(CO_2Et).CO.C_6H_4.NO_2$=1.4	$C_{13}H_{13}O_5N$	....	84	Perkin & Bellenot	B., 18, 959	**48**, 795
Aniline pyrogallate	$C_6H_2(OH)_3.CO_2H+C_6H_5.NH_2$	„	....	126–128	Guthrie	P. M. [5], 18, 109	
Triacetylgallamide	$(OAc)_3.CONH_2$=1.2.3.5	$C_{13}H_{13}O_7N$	....	150	Schiff and Pous	B., 18, 489	**48**, 796
β-diamidobenzhydrol	$HO.CH : C_{12}H_8(NH_2)_2$	$C_{13}H_{14}ON_2$	....	128–129	Staedel	A., 218, 339	**44**, 991
Harmaline (A., 38, 363 ; 64, 360)	....	„	....	238 d.	Fischer and Täuber	B., 18, 400	**48**, 820
Carbanilidocyanmethine	$Ph.NH.CO.NH.C_6H_7N_2$	$C_{13}H_{14}ON_4$	....	225	Keller	J. p. [2], 31, 363	**48**, 961
Ethylic benzenylazoximepropenyl-carboxylate	$O.N : CPh.N : C(CH_2)_2.CO_2Et$	$C_{13}H_{14}O_3N_2$	255 p.d.	Liquid	Schulz	B., 18, 2462	**48**, 1219

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetylanilidopyrotartarimide	fr.Ph.NH.CMe.CO.NH.CO.CH$_2$	$C_{13}H_{14}O_3N_2$	....	235	Wechsler	B., 18, 1041	48, 900
?	....	$C_{13}H_{11}O_6N_5$	....	235	Stojentin	J. p., 32, 1	48, 1195
Toluidine phenate	C_6H_4Me.NH$_2$+Ph.OH=1.4	$C_{13}H_{15}ON$	....	31·1	Dyson	43, 468	
Diallylamidobenzoic acid	N(C_3H_5)$_2$.CO$_2$H=1.3	$C_{13}H_{15}O_2N$	....	90	Griess	B., 5, 1041	26, 281; vii., 168
Mesitylsuccinimide	C_6H_2Me$_3$.N : (CO)$_2$: C_2H_4 =1.3.5.6	"	....	137	Eisenberg	B., 15, 1018	42, 956
Isonitrosotetramethyloxy-quinizine	fr.C_6HMe$_3$.N.NH.CMe.CH$_2$.CO=1.2.4.5.6	$C_{13}H_{15}O_2N_3$	....	156	Haller	B., 18, 708	48, 818
Ethylic ethylindoxylate	N.C_6H_4.C(OEt).CH.CO$_2$Et =1.2	$C_{13}H_{15}O_3N$	....	98	Baeyer	B., 14, 1742	42, 198
Ethylic acetamidocinnamate	NHAc.(CH : CH.CO$_2$Et) =1.2	"	....	137	Friedländer and Weinberg	B., 15, 1423	42, 1209
Ethylcumazonic acid	N : CEt.O.CMe$_2$.C_6H_3.CO$_2$H =1.2.5	"	....	202	Widmann	B., 16, 2585	46, 304
?—acid	....	" (?)	....	128–129	Weltner	B., 18, 795	48, 794
Ethylic acetyl-p-methylisatate	....	$C_{13}H_{15}O_4N$	....	78–79	Duisberg	B., 18, 198	48, 544
" ethylnitrobenzoyl-acetate	NO$_2$.C_6H_4.CO.CHEt.CO$_2$Et =1.4	$C_{13}H_{15}O_5N$	....	39–40	Perkin & Bellemot	B., 18, 953	48, 794
" benzamsuccinate	CO$_2$H.C_6H_4.NH.CO.C_2H_4.CO$_2$Et=1.3	"	....	174	Pellizzari	B., 18, 214	48, 533
Benzdiamidoacetamidoacetic acid	NHBz.CH$_2$.CO.NH.CH$_2$.CO.NH.CH$_2$.CO$_2$H	$C_{13}H_{15}O_5N_3$	....	172	Curtius	B., 16, 756	44, 1087
Tetramethyloxyquinizine	C_6HMe$_3$.N.NH.CMe.CH$_2$.CO =1.2.4.5.6	$C_{13}H_{16}ON_2$	....	154–155	Haller	B., 18, 707	48, 818
Ethylic azotolueneacetacetate	Me.(N$_2$.CHAc.CO$_2$Et)=1.4	$C_{13}H_{16}O_3N_2$	....	74	Züblin	B., 11, 1420	
Nitrobenzaldiacetonamine	NO$_2$.C_6H_4.CH.CH$_2$.CO.CH$_2$.CMe$_2$.NH=1.2	"	....	Liquid	Antrick	A., 227, 365	48, 503
" "	" " =1.3	"	....	Liquid	"	"	"
" "	" " =1.4	"	....	142·5	"	"	"
Ethylic β-hippuramidacetic acid	NHBz.CH$_2$.CO.NH.CH$_2$.CO$_2$Et	$C_{13}H_{16}O_4N_2$	....	117	Curtius	J. p. [2], 26, 194	44, 339
" nitrophenylethoxy-nitropropionate	NO$_2$.C_6H_4.CH(OEt).CH(NO$_2$).CO$_2$Et=1.4	$C_{13}H_{16}O_7N_2$	....	52	Friedländer and Mähly	A., 229, 210; B., 16, 852	48, 1138
" ethyldinitrohydro-p-coumarate	OMe.(NO$_2$)$_2$.(CH$_2$.CH$_2$.CO$_2$Et)=1.2.6.4	"	....	49	Stöhr	A., 225, 57	46, 1350
Benzaldiacetonamine	Ph.CH.NH.CMe$_2$: (CH)$_2$: CO	$C_{13}H_{17}ON$	230 d.	61·2	Heintz	A., 193, 62	36, 54
" "	....	"	....	62–63	Fischer	B., 16, 2237	46, 54
Diethamidocinnamic acid	NEt$_2$.(CH : CH.CO$_2$H)=1.2	$C_{13}H_{17}O_2N$	B., 16, 653	124	Fischer and Kuzel	A., 221, 261	46, 440
Acetylethoxyhydroquinoline	N.OEt=α_1 ; α_1	"	307	Liquid	Fischer and Renouf	B., 17, 759	46, 1049
Butylic hippurate	NHBz.CH$_2$.CO$_2$Bu$^\alpha$	$C_{13}H_{17}O_3N$	....	40–41	Campani & Bizzarri	G. I., 10, 257	38, 870
Isobutylic " (B. S., 34, 527)	NHBz.CH$_2$.CO$_2$Bu$^\beta$	"	....	45–46	"	"	"
Hydroxypropylcarboxyl-phenylurethane	C_6H_3.CO$_2$H.(CMe$_2$.OH).(NH.CO$_2$Et)	$C_{13}H_{17}O_5N$	....	167 d.	Widmann	B., 17, 1305	46, 1023
Quinanilide	C_6H_5.NH($C_7H_{11}O_5$)	"	d. a. 240	174 c.	Hesse	A., 110, 342	v., 9
Ethylic acetoacetate+o-diamidotoluene	C_6H_3Me : (NH)$_2$: CMe.CH$_2$.CO$_2$Et	$C_{13}H_{18}O_2N_2$	....	82	Ladenburg and Rügheimer	B., 12, 953	36, 716
Ethylic p-tolylhydrazine-acetoacetate	....	"	....	91–93	Knorr	B., 17, 550	46, 1154
Diacetamidomesitylene	Me$_3$.(NHAc)$_2$=1.3.5.2.4	"	....	a. 300	Ladenburg	A., 179, 177; B., 8, 677	28, 1036; 29, 386
Ethylic anilidopyrotartar-amate	NH$_2$.CO.CMe(NHPh).CH$_2$.CO$_2$Et	$C_{13}H_{18}O_3N_2$	....	125	Wechsler	B., 10, 1039	48, 900
Benzylidene urethane	Ph.CH(NH.CO$_2$Et)$_2$	$C_{13}H_{18}O_4N_2$	....	171	Bischoff	B., 7, 634–635	27, 891

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
m-toluylene urethane	$C_6H_3Me(NH.CO_2Et)_2$	$C_{13}H_{18}O_4N_2$	....	137	Lussy	B., 7, 1264	**28**, 274
Isobutylacetamidotoluene	$Me.Bu^{\beta}.NHAc=1.5.2$	$C_{13}H_{19}ON$	....	162	Effront	B., 17, 2322	**48**, 152
Pentamethylacetanilide	$C_6Me_5.NHAc$	"	....	213	Hofmann	B., 18, 1824	**48**, 1129
Ethoxyhydroethylquinoline (ethylkairine)	$N.OEt=a_1;\ a_1$	"	266–268(716)	33	Fischer and Renouf	B., 17, 760	**46**, 1049
Isocyminylurethane	$Me.Pr.(NH.CO_2Et)=1.3.?$	$C_{13}H_{19}O_2N$	....	229	Kelbe and Warth	A., 221, 157	**46**, 47
Diacetyltrimethtriamidobenzene	$NMe_2.NMeAc.NHAc=1.4.?$	$C_{13}H_{19}O_2N_3$	....	184	Wurster & Schobig	B., 12, 1813	**38**, 111
Nitroisoamylethoxybenzene	$OEt.C_5H_{11}.NO_2=?$	$C_{13}H_{19}O_3N$	a. 300 d.	Liquid	Liebmann	B., 15, 1991	
Diethylic trimethylpyrroline dicarboxylate	$CO_2Et.C\colon CMe.NMe.CMe\colon C.CO_2Et$	$C_{13}H_{19}O_4N$	....	72	Knorr	B., 18, 303	**48**, 555
Diethyl-m-tolylenecarbamide	$C_6H_3Me(NH.CO.NHEt)_2$	$C_{13}H_{20}O_2N_4$	....	175	Lussy	B., 8, 292	**28**, 770
Diethoxyhydroxyethyltheobromine	....	$C_{13}H_{20}O_7N_2$	....	152	Fischer	A., 215, 307	**44**, 357
Cyanallyl-allylalcoholate ...	....	$C_{13}H_{21}ON$	....	95–96	....	Z. C. [1870], 401	
Allylalcohol+allylcyanide ...	$C_3H_5.CN+3C_3H_5.OH$	$C_{13}H_{23}O_3N$	95–96	....	Rinne	B., 6, 389	vii., 49
Valerodiacetonamine oxalate	$C_{11}H_{21}ON+C_2H_2O_4$	$C_{13}H_{23}O_5N$	....	190 d.	Antrick	A., 227, 365	**48**, 502
Œnanthodiacetonamine	$C_6H_{13}.CH.CH_2CO.CH_2.CMe_2.NH$	$C_{13}H_{25}ON$	....	29·5	"	"	**48**, 503
Fr. ethylcarbamine	....	$C_{13}H_{25}O_3N_5$	a. 200	....	Gautier	C. R., 67, 804	vi., 529
Oxalyldipiperidine	not $C_{10}H_{23}ON_2$ as in orig.	$C_{13}H_{26}ON_2$	280–290 d.	....	Ladenburg	B., 14, 1879	
Ethylic diisoamylcarbamate	$N(C_5H_{11})_2.CO_2Et$	$C_{13}H_{27}O_2N$	246–247	L. −20	Custer	B., 12, 1334	**36**, 914
Tetranitroanthraflavic acid	$C_{14}H_4(NO_2)_4O_4$	$C_{14}H_4O_{12}N_4$	....	d.w.m.307·6c.	Schardinger	B., 8, 1488	**29**, 584
Tetranitroisoanthraflavic acid	"	"	....	a. 300	Römer & Schwarzer	B., 15, 1046	**42**, 975
α-dinitrophenanthraquinone	$C_{14}H_6(NO_2)_2\colon O_2$	$C_{14}H_6O_6N_2$	B., 9, 548	280	Græbe	A., 167, 144	
"	"	"	....	290	Kleemann & Wense	B., 18, 2168	
"	"	"	....	*290*	Schultz	A., 203, 108	
α-dinitroanthraquinone	cf. A., 160, 145; 166, 154	"	B., 16, 54	256–260	Schmidt	J. p. [2], 9, 261; 19, 211	
β- "	....	"	....	?	Fritzsche	Z. C. [1869], 114	
β- "	....	"	B., 7, 203	280	Schmidt	J. p. [2], 9, 261	**27**, 581, 987
β- "	....	"	....	?	Anderson	A., 122, 302	
γ- "	$NO_2.C_6H_3\colon(CO)_2\colon C_6H_3.NO_2$ =3.2.1; 1.2.6	"	....	a. 300	Römer	B., 16, 364	**44**, 737
Dinitrohydroxyanthraquinone	$C_6H_4\colon(CO)_2\colon C_6H(NO_2)_2.OH$ =2.1; 1.2.4.6.5	$C_{14}H_6O_7N_2$	....	268–270	Simon	B., 14, 465; 15, 692	**40**, 608
Dinitroxanthopurpurin ...	$C_{14}H_4O_2(NO_2)_2(OH)_2$	$C_{14}H_6O_8N_2$	isomeric	249	Plath	B., 9, 1206	**31**, 87
"	"	"	"	249–250	"	B., 9, 1205	"
Dinitromunjistin	"	"	....	251	Schunck & Römer	33, 425	
α-nitrophenanthraquinone	$C_{14}H_7(NO_2)\colon O_2$	$C_{14}H_7O_4N$	....	215–220	Schmidt	B., 12, 1156	**36**, 941
?- "	"	"	....	257	Anschütz & Schultz	B., 9, 1404	**31**, 210
β- "	"	"	....	260–266	Schmidt	B., 12, 1157	**36**, 941
γ- "	"	"	....	263 d.	"	B., 12, 1158	"
?- "	"	"	....	281–282	Lachowicz	J. p. [2], 28, 168	**46**, 82
β-nitroanthraquinone	....	"	....	220	Römer	B., 15, 1786	**44**, 71
α- " (B12,1570)	....	"	A., 166, 148	230	Böttger & Petersen	J. p. [2], 6, 367	**26**, 389
α- "	....	"	....	230	Claus and Hertel	B., 14, 978	**40**, 737
Nitrodiphenyleneketone carboxylic acid	fr. $C_6H_4.CO.C_6H_3.CO_2H$ =1.2; 1.2.3.	$C_{14}H_7O_5N$	....	245–246	Fittig & Liepmann	A., 208, 8	**36**, 401
α-Nitroalizarin (A., 201, 353)	fr. $C_6H_4\colon(CO)_2\colon C_6H_2(OH)_2$ =2.1; 1.2.3.4	$C_{14}H_7O_6N$	....	194–196	Schunck & Römer	B., 12, 587	**36**, 654
?- " (B.S., 26, 67)	" "	"	....	230	Rosenstiehl	A. C. [5], 12, 519	**34**, 231
β- " (B., 10, 1760)	$C_6H_4\colon(CO)_2\colon C_6H(OH)_2.NO_2$ =2.1; 1.2.3.4.5	"	....	244	Simon	B., 15, 692	**42**, 863
β- "	" "	"	....	244	Schunck & Römer	B., 12, 585	**36**, 654
?- "	....	"	....	282	"	B., 12, 587	"
Phenanthraquinone dioximide	$C_6H_4.C_6H_4.C\colon N.O.N\colon C$	$C_{14}H_8ON_2$	....	181	Goldschmidt	B., 16, 2179	**46**, 62

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzidine tetracarboxylic anhydrimide	$(.C_6H_3.NH.CO)_2$	$C_{14}H_8O_2N_2$	....	283 u.c.	Claus & Hemmann	B., 16, 1762	**44**, 1127
Nitrophenylphthalimide	$C_6H_4:(CO)_2:N.C_6H_4.NO_2$ =1 2; 1.3	$C_{14}H_8O_4N_2$	....	242–243	Gabriel	B., 11, 2261	**36**, 324
Dinitrophenanthrene	....	,,	....	150–160	Græbe	A., 167, 156	**26**, 896; vii., 85
Nitrosonitroanthrone	see original paper	,,	....	263	Liebermann and Landshoff	B., 14, 470	**40**, 607
Dinitroanthrone	,, ...	$C_{14}H_8O_5N_2$	....	116 d.	,,	B., 14, 472	,,
Nitroamidoxyanthraquinone	....	,,	....	240	Bourcart	B., 12, 1419	**38**, 263
Dinitrobenzil	....	$C_{14}H_8O_6N_2$	octohedra	131	Sagumenny	B., 5, 1100	**26**, 502
,, ...	....	,,	plates	147	,,	J. R., 4, 278	vii., 157
Isodinitrobenzil	....	,,	J. R., 13, 29	205–206 d.	Soloubeff	B. S. [2], 34, 345	**40**, 422
Nitrobenzoic anhydride	$(NO_2.C_6H_4.CO)_2O=(1.2)_2$	$C_{14}H_8O_7N_2$	....	135	Bischoff and Rach	B., 17, 2789	**48**, 263
β-Dinitro-p-benzoylbenzoic acid	....	,,	....	211–212	Plascuda & Zincké	B., 7, 985	**26**, 70
α- ,, ,, ...	....	,,	....	240	Plascuda	B., 7, 988	**28**, 75
α-Dinitrodiphenic acid	$(.C_6H_3.NO_2.CO_2H)_2=(1.4.2)_2$	$C_{14}H_8O_8N_2$	....	248–249	Hummel	A., 193, 131	**36**, 165
α- ,, (B., 16, 2346)	,, ,,	,,	...	250–251	Struve	B., 10, 76	**46**, 329
α- ,, (B., 12, 236)	,, ,,	,,	....	*253*	Schultz	A., 196, 29	,,
β- ,, ...	fr. $(.C_6H_4.CO_2H)_2=(1.2)_2$	,,	....	297	,,	A., 203, 105	**38**, 814
Tetranitrobenzyltoluene	,, ...	$C_{14}H_8O_8N_4$	....	160–161	Zincké	B., 5, 685	vii., 183; **25**, 1005
Benzoylphenylisonitril	$C_6H_4Bz.NC=1.4$	$C_{14}H_9ON$	....	118–119	Döbner and Weiss	B., 14, 1838	**42**, 177
,, ...	,, ,, ...	,,	....	118–119	Döbner	A., 210, 271	**42**, 508
Phenanthrenequinonimide	$C_6H_4.C_6H_4.CO.C:NH=(1.2)_2$	,,	....	147	Anschütz & Schultz	B., 10, 23	**32**, 492
,, ...	,, ,,	,,	....	*158–159*	Zincké	B., 12, 1642	**38**, 48
,, ...	,, ,,	,,	....	167	Anschütz & Schultz	A., 196, 51	**36**, 539
Benzoylsalicyl nitril	$C_6H_4(OBz).CN=1.2$	$C_{14}H_9O_2N$	A., 99, 250	148–149	Henry	Z. C. [2], 6, 53; B., 2, 491	vi., 1012
Phenylphthalimide	$C_6H_4:(CO)_2:NPh$	,,	....	*205*	Döbner	A., 210, 267	
,, ...	,,	,,	....	205	Laurent & Gerhardt	J., 1847, 605	
Benzoylanthranil	$C_6H_4.CO.NBz=1.2$	,,	a. 360	122–123	Friedländer and Wleügel	B., 16, 2229	**46**, 61
α-Nitrophenanthrene	....	,,	....	*73–75*	Schmidt	B., 12, 1155	**36**, 941
α- ,, ...	....	,,	....	70–80	Græbe	A., 167, 155	**26**, 896; vii., 85
β- ,, ...	....	,,	....	126–127	Schmidt	B., 12, 1156	**36**, 941
γ- ,, ...	....	,,	....	170–171	,,	B., 12, 1157	,,
Isonitrosophenanthrone	....	,,	....	158	Goldschmidt	B., 16, 2178	**46**, 62
Isonitrosoanthrone	....	,,	....	w. m. 200	,,	B., 16, 2180	,,
Nitrosoanthrone	$C_6H_4.CO.C_6H_4.CH(NO)$	,,	....	146	Liebermann and Lindemann	B., 13, 1586	**40**, 99
Amidophenanthraquinone	$CO.C_6H_4.C_6H_3(NH_2).CO$ =2.1; 1.4.2	,,	....	200 d.	Anschütz & Meyer	B., 18, 1943	**48**, 1068
Amidoanthraquinone	$C_6H_4:(CO)_2:C_6H_3.NH_2$ =2.1; 1.2.3	,,	....	241	Roemer	B., 15, 1790	**44**, 72
,, ...	,, =2.1; 1.2.?	,,	....	250	Claus	B., 15, 1518	
,, ...	,, ,,	,,	....	254 u. c.	Claus and Diernfellner	B., 14, 1334, 1335	**42**, 523
,, ...	,, ,,	,,	....	254 u. c.	Claus and Hertel	B., 14, 979	**40**, 738
,, ...	,, ,,	,,	A., 166, 149	*256*	Böttger & Petersen	B., 12, 1566; J. p. [2], 6, 367	**26**, 389
,, ...	,, =2.1; 1.2.4	,,	....	301	Bourcart	B., 12, 1418	
,, ...	,, ,,	,,	....	*302*	Perger	B., 12, 1568	**36**, 49
,, ...	,, ,,	,,	....	302	Liebermann	A., 212, 61	**42**, 860
,, (B. S., 33, 264)	,, ,,	,,	....	302	Liebermann and Bollert	B., 15, 229	
Pyrophthalone	....	,,	....	a. 260, p. d.	Jacobsen & Reimer	B., 16, 2604	**46**, 335
,, ...	....	,,	....	b. 200	,,	,,	,,
Diazobenzimide	$N_2:(C_6H_4.CO)_2:NH=(1.2)_2$	$C_{14}H_9O_2N_3$	....	144–145	Fischer	B., 13, 680	**38**, 647

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hydroxyphenylphthalimide	$C_6H_4:(CO)_2:N.C_6H_4.OH =(1.2)_2$	$C_{14}H_9O_3N$	....	220	Ladenburg	B., 9, 1528	**31**, 305
β-Amidohydroxyanthraquinone (alizarinamide)	$C_6H_4:(CO)_2:C_6H_2(OH).NH_2 =2.1;\ 1.2.3.4$	"	cf. B., 15, 1805	sb. 150–153	Perger	J. p. [2], 18, 139	**36**, 253.
α- " "	" $=2.1;\ 1.2.4.3$	"	A., 183, 205	*250*	Liebermann and Hagen	B., 15, 1799	
α- " "	" "	"	....	250–260	Liebermann and Troschke	B., 8, 380	**28**, 890
" "	?	"	....	301	Bourcart	B., 12, 1418	**38**, 49, 263
Nitrobenzenylazoximebenzenyl	$NO_2.(C:N.O.CPh:N)=1.3$	$C_{14}H_9O_3N_3$	....	160	Schöpf	B., 18, 1067	**48**, 897
Nitrobenzil	$C_6H_4(NO_2).COBz=1.?$	$C_{14}H_9O_4N$	....	110	Zinin	As., 3, 153	vi., 306
α-Amidoalizarin	....	"	....	?	Perkin	J. [1877], 586	
β- "	....	"	....	a. 300	Schunck & Römer	B., 12, 588	**36**, 655.
Nitrodiphenic acid	$CO_2H.C_6H_4.C_6H_3(NO_2).CO_2H =2.1;\ 1.4.2$	$C_{14}H_9O_6N$	....	217	Strasburger	B., 16, 2347	**46**, 329
Dinitro-α-naphthylsuccinimide	$C_{10}H_5(NO_2)_2.N:(CO)_2:C_2H_4$	$C_{14}H_9O_6N_3$	....	250	Hübner	A., 209, 382	**42**, 181
" " "	"	"	....	250	Hanemann	B., 10, 1713	
Fr. papaveric acid	....	$C_{14}H_9O_7N$	....	245–246	Goldschmidt	M. C., 6, 372	**48**, 1081
Trinitrotolylphenylketone	$C_6H_3(NO_2)_2.CO.C_6H_3Me.NO_2$	$C_{14}H_9O_7N_3$	....	165	Plascuda & Zincké	B., 7, 983	**28**, 69
Hexanitro-p-ditolylamine	$NH:C_{12}H_2Me_2(NO_2)_6$	$C_{14}H_9O_{12}N_7$	....	258	Lehne	B., 13, 1545	**40**, 41
Dibenzenylazoxime	$N:CPh.N:CPh.O$	$C_{14}H_{10}ON_2$	290	108	Tiemann & Krüger	B., 17, 1695	**46**, 1326
Anthroxanaldehyde anilide....	$O.N.C_6H_4.C.CH:NPh$	"	....	40	Schillinger and Wleügel	B., 16, 2224	**46**, 60
Diphenyldicyanate	$Ph_2C_2O_2N_2$	$C_{14}H_{10}O_2N_2$	....	175	Hofmann	B., 3, 765; 4, 246; As., 1, 57	**24**, 136; vii., 407
Hydroxybenzenylazoximebenzenyl	$N:CPh.O.N:C.C_6H_4.OH =1.3$	"	....	163	Schöff	B., 18, 2475	**48**, 1217
Phthalyldiamidobenzene	$C_6H_4:(NH.CO)_2:C_6H_4 =1.3;\ 1.2$	"	....	178	Biedermann	B., 10, 1165	**32**, 784
"	" $=1.4;\ 1.2$	"	....	182	"	B., 10, 1164	"
Amidobenzoid	$NH.C_6H_4.CO.NH.C_6H_4.CO$	"	....	225	Piutti	B., 16, 1321	**44**, 999
Phenylenamidinetoluic acid	$NH.C_6H_4.N:C.C_6H_4.CO_2H =1.2;\ 1.4$	"	....	abt. 300	Stoddard	B., 11, 294; A., 210, 337	**34**, 504
" "	" "	"	....	a. 300	Brückner	A., 205, 118	**40**, 93.
Diamidophenanthraquinone	$[.C_6H_3(NH_2).CO.]_2=(1.4.2)_2$	"	....	nf. 310	Anschütz & Meyer	B., 18, 1942	**48**, 1068
α-Diamidoanthraquinone	....	"	...	*236*	Böttger & Petersen	B., 4, 231, 779; A., 160, 148	**24**, 532; vii., 92
α- "	....	"	....	236	Claus & Diernfellner	B., 14, 1337	**42**, 523
α- "	....	"	....	236	Claus and Hertel	B., 14, 981	
β- "	....	"	....	nf. 300	Schmidt	J. p. [2], 9, 266	**27**, 988
?- "	$NH_2.NH_2=1.2$	"	....	a. 130 d.	Perger	J. P. [2], 18, 138	
?- "	$NH_2.C_6H_3:(CO)_2:C_6H_3.NH_2 =3.2.1;\ 1.2.6$	"	sb.	a. 300	Römer	B., 16, 366	**44**, 737
Phenyldiazonitrobenzylcyanide	$NO_2.C_6H_4.[CH(N:NPh).CN] =1.4$	$C_{14}H_{10}O_2N_4$		201–202	Perkin	B., 16, 341	**43**, 111
	....	$C_{14}H_{10}O_3N_2$	....	188	Friedländer & Mähly	A., 229, 210; B., 16, 850	**48**, 1137
Azobenzoic acid	$(:N.C_6H_4.CO_2H)=(1.2)_2$	$C_{14}H_{10}O_4N_2$	B., 11, 760	237 d.	Griess	B., 10, 1868	**34**, 149
" "	" "	"	....	237–238	Homolka	B., 17, 1904	
" "	" $=(1.3)_2$	"	B., 8, 41	a. 170	Strecker	A., 129, 133	vi., 321
" "	" $=(1.4)_2$	"	....	a. 130	Bilfinger	A., 135, 154	vi., 321
" "	" "	"	....	d. w. m.	Claus	B., 15, 2332	
Dinitrostilbene	...	"	....	180	Marcker	A., 140, 90	vi., 1107
"	$(:CH.C_6H_4.NO_2)_2$	"	....	a. 280	Strakosch	B., 6, 329	**26**, 890
Hydro-anthracene dinitrite	$C_6H_4.CH_2.C_6H_4.C(O.NO)_2$	"	....	125 d.	Liebermann and Landshoff	B., 14, 468	**40**, 607

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
? (cf. B., 14, 484)	$C_{14}H_{10}+N_2O_4$	$C_{14}H_{10}O_4N_2$	....	194	Liebermann and Lindemann	B., 13, 1586	**40**, 99
α-dinitrodeoxybenzoin	....	$C_{14}H_{10}O_5N_2$	....	112–114	....	J. R., 13, 23	
α- „ (B., 13, 2403)	....	„	....	114–116	Golubeff	B. S. [2], 34, 345	**40**, 422
β- „	....	„	....	120	„	B., 11, 1939	**36**, 150
β- „	....	„	....	124–125	....	J. R., 13, 23	
β- „ (B., 13, 2403)	....	„	....	125–126	Golubeff	B. S. [2], 34, 345	**40**, 422
γ- „ (J. R., 13, 23)	....	„	....	154–155	Borodin	B. S. [2], 35, 560	**40**, 813
Dinitrotolylphenylketone	$NO_2.C_6H_4.CO.C_6H_3Me.NO_2$ =1.4 ; 1.4.3	„	....	126–127	Plascuda & Zincké	B., 7, 983	**28**, 69
„	fr. $Ph.CO.C_6H_4Me$=1.3	„	....	145	Senff	A., 220, 225	**46**, 427
Methylic dinitrodiphenyl-carboxylate	$NO_2.C_6H_4.C_6H_3(NO_2).CO_2Me$ =1.4 ; 1.2.4	$C_{14}H_{10}O_6N_2$	....	156	Strasser & Schultz	A., 210, 192	**42**, 521
Dinitro-oxanilide	$(.CO.NH.C_6H_4.NO_2)_2=(1.4)_2$	$C_{14}H_{10}O_6N_4$	A., 209, 366	260	Hübner & Rudolph	B., 8, 473	**42**, 180
„	„ $=(1.2)_2$	„	....	a. 300	Hübner	A., 209, 369	**42**, 181
Pyridinedicarboxylic acid	Polymer	$C_{14}H_{10}O_8N_2$	....	96 u. c.	Claus	B., 14, 1942	
Tetranitrobenzyltoluene ...	fr. $Ph.CH_2.C_6H_4Me$=1.4	$C_{14}H_{10}O_8N_4$	....	160–161	Zincké	B., 5, 685	
Acetylcarbazole	$C_6H_4.NAc.C_6H_4$	$C_{14}H_{11}ON$	a. 360 d.	69	Græbe and Glaser	A., 163, 352	
Benzilimide	....	„	$C_{42}H_{32}O_4N_2$	130	Laurent	J. p., 35, 461	
Imabenzil	$C_6H_5.C(:NH).CO.C_6H_5$	„	„	140	„	J. p., 27, 312 ; 35, 461	**iii.**, 245
Phthalidanil	$Ph.N:CH.C_6H_4.COH$=1.2	„	....	160	Hessert	B., 10, 1450	**34**, 67
„	$Ph.N.CH_2.C_6H_4.CO$=1.2	„	....	160	„	B., 11, 239	
β-naphtho-γ-oxyquinaldine....	see original paper	„	....	286	Knorr	B., 17, 543	**46**, 1198
α- „ -γ- „	„	„	....	292	„	B., 17, 545	„
Amidobenzenylazoximebenzenyl	$N:CPh.O.N:C.C_6H_4.NH_2$ =1.3	$C_{14}H_{11}ON_3$	....	143	Schöff	B., 18, 2473	**48**, 1217
Phenylhydrazine+isatine	....	„	....	210–211	Fischer	B., 17, 577	**46**, 1151
Fr. Benzil	$Ph.C(:NOH).COPh$	$C_{14}H_{11}O_2N$	....	130–131	Wittenberg and Meyer	B., 16, 503	**44**, 804
Dibenzamide	$NHBz_2$	„	....	138	Beilstein & Landolt	A., 111, 6	**vi.**, 259
„	„	„	....	144	Barth and Senhofer	B., 9, 975	**30**, 418
„	„	„	....	148	Fischer & Troschke	B., 13, 708	
„	„	„	....	148	Gumpert	J. p., 30, 87	**48**, 53
„ .... (?)	„ $+2H_2O$	„	....	99	Schäffer	A., 169, 111	**27**, 165
Benzimidobenzoate	$NH:CPh.O.CPh:O$	„	....	148·5	Pinner and Klein	B., 11, 766	**34**, 864
Nitrodiphenylethylene	$CH_2:CPh.C_6H_4.NO_2$	„	....	86	Auschütz & Römig	B., 18, 664	**48**, 768
Piperonalanilide	$CH_2:O_2:C_6H_3.CH:NPh$ =4.3.1	„	....	65	Lorenz	B., 14, 792	**40**, 729
Naphthylsuccinimide	$C_2H_4:(CO)_2:N.C_{10}H_7$	„	....	152	Hübner and Hanemann	B., 10, 1713 ; A., 209, 382	**42**, 181
? (B., 8, 1050)	....	$C_{14}H_{11}O_2N_3$	....	220 d.	Lorenz	B., 7, 1097	
Dibenzhydroxamic acid	$NBz_2.OH$ (?)	$C_{14}H_{11}O_3N$	....	140	....	....	**vii.**, 155
„ „	„	„	....	145–146	Lossen	A., 162, 357	**25**, 415
„ „	„	„	....	153	Müller	B., 16, 1621	**44**, 1130
„ „	„	„	....	*153*	Steiner	A., 178, 226	**29**, 271
„ „	„	„	....	156–158 d.	Heintz	Z. C. [2], 5, 733	**vi.**, 725
„ „ ...	$HO.CPh:NO.CO.Ph$ (?)	„	....	?	Eiseler	A., 175, 324	
Nitrodeoxybenzoin	....	„	J. R., 11, 99	140–142	Golubeff	B., 12, 693	**36**, 790
Benzamidobenzoic acid	$NHBz.CO_2H$=1.2	„	....	180–181	Friedländer and Wleügel	B., 16, 2229	**46**, 62
„ „	„ „	„	....	*182*	Brückner	A., 205, 130	**40**, 94
„ „	„ =1.4	„	....	278	„	A., 205, 128	„
Phenylphthalamic acid	$CO_2H.(CO.NHPh)$=1.2	„	....	192	Gerhardt & Laurent	J. [1847], 606	
Benzoylsalicylamide....	....	„	A., 99, 249	200	Gerhardt & Chiozza	J. [1856], 502	
Phenylazoindoxyl	$C_6H_4.C(OH):CH.N.N_2.Ph$	„	....	236 d.	Baeyer	B., 16, 2190	**46**, 74
Nitrophenyltolylketone	$C_6H_4Me.CO.C_6H_4.NO_2$ =1.4 ; 1.?	„	....	*126–127*	Plascuda & Zincké	B., 7, 983	**vii.**, 183, 861
„	„ „	„	....	127	Zincké	B., 5, 685	**25**, 1005

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hydroxybenzylideneamido-benzoic acid	$HO.C_6H_4.CH:N.C_6H_4.CO_2H = 1.2; 1.3$	$C_{14}H_{11}O_3N$	....	190	Schiff	A., 210, 116	**42**, 303
Anthracene nitrate	$C_{14}H_{10}+HNO_3$	„	....	125 d.	Liebermann and Lindemann	B., 13, 1585	**40**, 99
Dyestuff .... (M.C., 1, 894)	....	„	....	228	Weselsky and Benedikt	W.A. [2], 82, 1219	**40**, 726
Nitroso-oxanilide	$NHPh.(CO)_2.NPh.NO$	$C_{14}H_{11}O_3N_3$	....	86	Fischer	B., 10, 960	**32**, 607
Acetophenone nitrophenyl-oxide	$Bz.CH_2.O.C_6H_4.NO_2=1.4$	$C_{14}H_{11}O_4N$	....	144	Möhlau	B., 15, 2498	**44**, 332
Benzoylamidosalicylic acid	$CO_2H.OH.NHBz=1.2.3$ or 5	„	....	189	Hübner	A., 195, 37	
„ „	„ $=1.2.?$	„	....	252	Dabney	A. C. J., 5, 20	**46**, 308
Disalicylamide	$(HO.C_6H_4.CO)_2NH=(1.2)_2$	„	....	197–199 d.	Schulerud	J. p. [2], 22, 289	**40**, 42
Hydroxyphthalanilic acid	$HO.C_6H_4.NH.CO.C_6H_4.CO_2H =(1.2)_2$	„	....	223	Ladenburg	B., 9, 1528	**31**, 305
Hydroxybenzyleneamido-salicylic acid	$HO.C_6H_4.CH:N.C_6H_3(OH).CO_2H=1.2; 5.2.1$	„	....	245 d.	Schiff	A., 210, 117	**42**, 303
Nitrosoacetophenone nitr-anilide	$Bz.CH_2.N(NO).C_6H_4.NO_2 =1.4$	$C_{14}H_{11}O_4N_3$	....	135–145	Möhlau	B., 15, 2474	
?	....	„	....	254	Salkowski	B., 17, 509	**46**, 1176
Dinitrobenzoylmethylaniline	fr. NMePhBz	$C_{14}H_{11}O_5N_3$	....	136	Hess	B., 18, 687	**48**, 783
Acetophenonedinitranilide	$CH_2Bz.NH.C_6H_3(NO_2)_2 =1.2.4$	„	....	171–172	Möhlau	B., 15, 2479	**44**, 333
Dinitrobenzamidotoluene	$Me.NHBz.(NO_2)_2=1.4.3.5$	„	....	186	Kolbe	A., 208, 312; B., 8, 877	**29**, 270; **40**, 1131
„	„ $=1.4.(?)_2$	„	....	203	Cunerth	A., 172, 229	**28**, 83
Nitrobenzamidonitrotoluene	$C_6H_3Me(NO_2).NH.CO.C_6H_4.NO_2=1.?.4; 1.3$	„	....	188·5	Hübner	B., 10, 1712; A., 210, 336	**34**, 144
Benzoic+nitrobenzoic acids....	$Ph.CO_2H+C_6H_4(NO_2).CO_2H$	$C_{14}H_{11}O_6N$	....	136–137	Fittica	B., 9, 795; J. p. [2], 13, 184	**30**, 411; **36**, 153
Trinitrobenzyltolyl oxide	$C_6H_2Me(NO_2)_2.O.CH_2.C_6H_4.NO_2=1.3.5.6; 1.4$	$C_{14}H_{11}O_7N_3$	....	145	Staedel	B., 14, 899; A., 217, 178, 181	**40**, 724
„ „	„ $=1.2.6.4; 1.4$	„	....	186·5	Fritzsche	A., 224, 137	**46**, 1337
Trinitro-p-azoxytoluene	....	$C_{14}H_{11}O_7N_5$	....	201	Petrieff	Z. C. [2], 6, 264; B., 6, 557	vi., 286; **26**, 1027
Dibenzimide oxide	$NH:CPh.O.CPh:NH$	$C_{14}H_{12}ON_2$	....	106	Pinner and Klein	B., 11, 765	**34**, 864
Methylanilidocarbamido-phenol	$O.C_6H_4.N:C.NMePh=1.2$	„	a. 360	Liquid	Kalckhoff	B., 16, 1827	**44**, 1110
Amidobenzylideneamido-benzaldehyde	$NH_2.C_6H_4.CH:N.C_6H_4.COH =(1.2)_2$	„	....	188–189	Friedländer and Göhring	B., 17, 459	**46**, 1020
α-naphtho-oxymethylquinizine	....	„	....	190	Knorr	B., 17, 551	**46**, 1154
β- „	....	„	....	190	„	B., 17, 550	„
Acetophenonenitrosoanilide	$Ph.CO.CH_2.N(NO)Ph(?)$	$C_{14}H_{12}O_2N_2$	....	73	Möhlau	B., 15, 2472	**44**, 333
Benzoylbenzenylamidoxime	$NH_2.CPh:N.OBz$	„	....	140	Tiemann & Krüger	B., 17, 1694	**46**, 1326
Phenylhydrazinephenylglyoxylic acid	$N_2HPh:CPh.CO_2H$	„	....	*153 d.*	Elbers	A., 227, 340	**48**, 534
„ „	„	„	....	153 d.	Fischer	B., 17, 578	**46**, 1151
Phenylbenzoylcarbamide	$NHPh:CO.NHBz$	„	....	199	Kühn	B., 17, 2881	**48**, 260
β-diphenylglyoxime	$Ph.(C:N.OH)_2.Ph$	„	....	206	Goldschmidt	B., 16, 2177	**46**, 62
α- „	„	„	....	237	Goldschmidt and Meyer	B., 16, 1617	**44**, 1120
Diphenyloxamide (oxanilide)	$(.CO.NHPh)_2$	„	320	245	Gerhardt	A., 60, 308	iv., 285
„ „	„	„	B., 14, 740	245	Klinger	A., 184, 261	**31**, 710
Acetyloxyazobenzene	$Ph.N_2.O.C_6H_4Ac(?)$	„	....	84·5	Scichilone	G. I. [1882], 108	**42**, 726
Acetoxyazobenzene	$Ph.N_2.C_6H_4.OAc$	„	a. 360 p. d.	84–85	Wallach and Kiepenheuer	B., 14, 2617	
Dinitrobenzyltoluene	....	„	....	137	Zincké	B., 5, 684	vii., 183
Hydroxybenzyleneamido-benzamide	$HO.C_6H_4.CH:N.C_6H_4.CO.NH_2=1.2; 1.3$	„	....	186	Schiff	A., 218, 185	**46**, 455
Nitroamidostilbene	$NH_2.C_6H_4.CH:CH.C_6H_4.NO_2$	„	....	229–230	Strakosch	B., 6, 330	**26**, 890
Tolylazophenylcarboxylic acid	$C_6H_4Me.N_2.C_6H_4.CO_2H$	„	sb.	237	Klinger	B., 16, 946	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrobenzoylmethylaniline	fr. NMePhBz	$C_{14}H_{12}O_3N_2$	....	111	Hess	B., 18, 687	**48**, 783
Acetophenonenitranilide	$CH_2Bz.NH.C_6H_4.NO_2$=1.4	,,	....	167	Möhlau	B., 15, 2475	**44**, 333
Phenyluramidobenzoic acid....	$NHPh.CO.NH.C_6H_4.CO_2H$ =1.3	,,	....	270 d.	Kühn	B., 17, 2883	**48**, 261
Benzamidonitrotoluene ...	$Me.NHBz.NO_2$=1.4.5	,,	....	*143*	Kolbe	A., 208, 311; B., 8, 875	**29**, 270; **40**, 1131
,, ...	,, =1.2.6	,,	....	*145–146*	Cunerth	A., 172, 224	**27**, 903
,, ...	,, ,,	,,	....	145–146	Limpricht	B., 7, 643	**28**, 83
,, ...	,, ,,	,,	....	167–167·5	Bernthsen	B., 15, 3017	**44**, 579
,, ...	,, =1.4.2	,,	....	168	Cunerth	A., 172, 228	**28**, 83
,, ...	,, ,,	,,	....	171–172	Bernthsen	B., 15, 3017	**44**, 579
,, (B., 7, 1504)	,, ,,	,,	....	*172*	Bell	C. N., 30, 212	**28**, 371
,, (A., 217, 200)	,, =1.3.5	,,	....	*177*	Becker	B., 15, 1138	**42**, 1197
Toluylnitranilide	$NO_2.C_6H_4.NH.CO.C_6H_4Me$ =1.2; 1.4	,,	A., 205, 118	110	Hübner	A., 210, 328	**42**, 504
Nitrobenzamidotoluene	$C_6H_4Me.NH.CO.C_6H_4.NO_2$ =1.4; 1.3	....	....	162	,,	A., 210, 335; B., 10, 1712	**34**, 144
Acetamidonitrodiphenyl	$NO_2.C_6H_4.C_6H_4.NHAc$ =$(1.4)_2$	....	....	246 or 264	Schmidt & Schultz	A., 207, 351	**40**, 911
Diphenyldinitroethane	$C_2H_2Ph_2(NO_2)_2$	$C_{14}H_{12}O_4N_2$	....	300 d.	Gabriel	B., 18, 2438	**48**, 1229
Dinitrodibenzyl	$(.CH_2.C_6H_4.NO_2)_2$=1.2; 1.4	,,	....	74–75	Stelling and Fittig	A., 137, 262	**v.**, 871
,, ...	,, ,,	,,	....	*75*	Leppert	B., 9, 15	**29**, 704
,, ...	,, =$(1.4)_2$	,,	....	166–167	Stelling and Fittig	A., 137, 260	**v.**, 871
,, ...	,, ,,	,,	....	*178*	Leppert	B., 9, 15	**29**, 704
Dinitrodiphenylethane ...	$CH_3.CH(C_6H_4.NO_2)_2$	,,	....	149	Anschütz & Römig	B., 18, 664	**48**, 768
Dinitrobenzyltoluene	fr. $Ph.CH_2.C_6H_4Me$=1.2	,,	....	100	Plascuda & Zincké	B., 7, 986	**28**, 70
,, ...	,, =1.4	,,	....	137	Zincké	B., 5, 684	**25**, 1004
,, ...	,, =1.3	,,	....	141	Senff	A., 220, 225	**46**, 427
Hydrazobenzoic acid	$(.NH.C_6H_4.CO_2H)_2$=$(1.2)_2$	,,	B., 7, 1612	205	Homolka	B., 17, 1904	**46**, 1342
Disuccinyldiamidobenzene ...	$C_6H_4[N:(CO)_2:C_2H_4]_2$	,,	....	a. 360	Biedermann	B., 9, 1668	**31**, 474
Diamidodiphenic acid	$(.C_6H_3.NH_2.CO_2H)_2$=$(?.1.2)_2$	,,	....	crystalline	Griess	B., 7, 1612	
,, ,, ...	,, =$(1.4.2)_2$	,,	....	170	,,	B., 7, 1610	**28**, 460
,, ,, ...	,, ,,	,,	B., 12, 236	170 d.	Schultz	A., 196, 25	**38**, 538, 653
,, ,, ...	,, ,,	,,	....	*170–270*	,,	B., 12, 236	**36**, 653
,, ,, (?)	,, ,,	,,	v., B., 12, 236	250	Hummel	A., 193, 128	**36**, 165
,, ,, (?)	,, ,,	,,	,,	250–251	Struve	B., 10, 75	**32**, 902
Dinitroazotoluene	....	$C_{14}H_{12}O_4N_4$	....	110	Petrieff	B., 6, 556	**26**, 1027
Dinitrocresylbenzyl oxide	$(O.CH_2Ph).Me.(NO_2)_2$ =1.4.2.6	$C_{14}H_{12}O_5N_2$	....	109	Fritzsche	A., 224, 137	**46**, 1337
Nitrocresylnitrobenzyl oxide	$NO_2.C_6H_4Me.O.CH_2.C_6H_4.NO_2$=2.4.1; 1.4	,,	....	163	,,	,,	,,
Dinitro-p-azoxytoluene	....	$C_{14}H_{12}O_5N_4$	....	145	Petrieff	B., 16, 557	**28**, 1027
Formyldinitrophenyltoluylenediamine	$C_6H_3(NO_2)_2.NH.C_7H_6.NH.COH$	,,	....	157	Leymann	B., 15, 1237	**42**, 1057
Ethylene nitrophenylether	$C_2H_4(O.C_6H_4.NO_2)_2$=$(1.3)_2$	$C_{14}H_{12}O_6N_2$	....	139	Wagner	J. p. [2], 27, 201	**46**, 431
,, ,, ...	,, =$(1.4)_2$	,,	....	142–143	Weddige	J. p. [2], 20, 127	**38**, 316
,, ,, ...	,, ,,	,,	....	*143*	Wagner	J. p. [2], 27, 201	**46**, 434
,, ,, ...	,, ,,	,,	....	162–163	Weddige	J. p. [2], 20, 127	**38**, 316
,, ,, ...	,, ,,	,,	....	163	Wagner	J. p. [2], 27, 201	**46**, 434
4th Nitrobenzoic+4th Amidobenzoic acid	....	,,	....	156–158; 158–160	Fittica	J. p. [2], 13, 184	**36**, 153
Benzoylmethylanilide	Ph.NMeBz	$C_{14}H_{13}ON$	....	59	Hepp	B., 10, 329	
,, ...	,,	,,	....	*63*	Hess	B., 18, 686	**48**, 783
Methylic diphenylacetoxime	$CPh_2:NOMe$	,,	....	92	Spiegler	M. C., 5, 203	**46**, 1156
Acetophenone anilide	$Ph.CO.CH_2.NHPh$	,,	....	93	Möhlau	B., 14, 172	**40**, 262
Amidodeoxybenzoin....	....	,,	....	94	Golubeff	B., 6, 1252	**27**, 273
,, ...	....	,,	J. R., 11, 101	*95–96*	,,	B., 11, 1239	**38**, 150
Acetyldiphenylamine	$NAcPh_2$	,,	....	99·5	Merz and Weith	B., 5, 284; 6, 1511	**27**, 375
,, ...	,,	,,	....	101	Wallach	A., 214, 193	**44**, 49
,, ...	,,	,,	....	*103 u. c.*	Claus	B., 14, 2366	
,, ...	,,	,,	....	175	Willm and Girard	B., 8, 1196	
Phenylacetanilide	$Ph.NH.CO.CH_2.Ph$	,,	....	117	Hofmann	B., 13, 1225	**38**, 885

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Toluanilide	(CO.NHPh).Me=1.4	$C_{14}H_{13}ON$	....	139	Fischli	B., 12, 616	**96**, 638
"	" "	"	....	*140–141*	Brückner	A., 205, 132	**40**, 94
Benzotoluide	NHBz.Me=1.2	"	....	142–143	"	A., 205, 130	"
"	" =1.4	"	....	*155*	Kelbe	B., 8, 875; A., 208, 310	**29**, 270; **40**, 1131
"	" "	"	232	158	Wallach	A., 214, 217	
Acetamidodiphenyl	Ph.C_6H_4.NHAc=1.4	"	....	167	Osten	A., 209, 344; B., 7, 173	vii., 937; **27**, 581
Tolylsalicylamide	HO.C_6H_4.CH : N.C_6H_4Me =1.2; 1.?	"	v. 232	100	Jaillard	C. R., 60, 1096; Z. C. [1865], 440	v., 872, 874
Hydroxybenzylidenetoluide	" =$(1.4)_2$	"	....	213	Herzfeld	B., 10, 2196	**34**, 423
Acetamidoazobenzene	Ph.N_2.C_6H_4.NHAc=1.4	$C_{14}H_{13}ON_3$	....	141	Schultz	B., 17, 463	
"	" "		....	143	Berju	B., 17, 1400; C. C. [1884], 871	**46**, 1148; **48**, 660
Phenoxyacetanilide	PhO.CH_2.CO.NHPh	$C_{14}H_{13}O_2N$	....	99	Fritzsche	J. p. [2], 20, 280	**38**, 319
?	Ph.CN(OH).CHPh.OH	"	....	151–152	Wittenberg and Meyer	B., 16, 504	**44**, 804
Phenamidophenylacetic acid	NHPh.CHPh.CO_2H	"	....	164–168	Stöckenius	J. [1878], 779	
" "	"	"	....	*173–175*	Tiemann and Piest	B., 15, 2030	**44**, 198
Nitrodiphenylethane	Ph.CHMe.C_6H_4.NO_2	"	....	79–80	Anschütz & Römig	B., 18, 664	**48**, 768
Benzamidomethoxybenzene....	C_6H_4.OMe.NHBz =1.2	"	....	59·5	Mülhäuser	A., 207, 244	**42**, 302
"	" =1.4	"	....	153–154	Lossen	A., 175, 299	**28**, 636
Methoxybenzanilide....	C_6H_4.OMe.(CO.NHPh)=1.4	"	....	168–169	Leuckart & Schmidt	B., 18, 2339	
" (A. C. [3], 23, 353)	" "	"	....	168–169	Lossen	A., 175, 292	
Benzylamidobenzoic acid	(NH.CH_2Ph).CO_2H=1.2	"	....	176 u. c.	Claus & Glyckherr	B., 16, 1285	**44**, 1009
Phenmethamidobenzoic acid	NMePh.CO_2H=1.?	"	....	184	Michler & Saranw	B., 14, 2180	**42**, 183
Salicyltoluide....	HO.C_6H_4.CO.NH.C_6H_4Me =1.2; 1.4	"	....	155–156	Wanstrat	B., 6, 337	**26**, 907
Methoxyhydroxybenzylidene anilide	(CH : NPh).OH.OMe=1.2.5	"	....	59	Tiemann & Müller	B., 14, 1992	**42**, 53
Orcylanilide	Me.$(OH)_2$.(CH : NPh)=?	"	....	125–126	Tiemann & Helkenberg	B., 12, 1002	**36**, 720
β-naphthyl-β-amidobutyric acid	CH_3.CH(NH$C_{10}H_7$).CH_2.CO_2H	"	....	92	Knorr	B., 17, 543	**46**, 1198
Phenyllutidine carboxylic acid	C_6NHPhMe_2.CO_2H	"	....	189–190	Hantzsch	B., 17, 2913	**48**, 397
Benzenylphenyluramidoxime	NHPh.CO.NH.CPh : NOH	$C_{14}H_{13}O_2N_3$	....	115	Krüger	B., 18, 1659	**48**, 896
β-diphenylbiuret	....	"	....	165	Hofmann	B., 4, 250	**24**, 395
α- "	....	"	....	210	"	B., 4, 265	vii., 193
α- "	....	"	....	210	Peitzsch & Solomon	J. p. [2], 7, 479	**27**, 365
Phenylbenzocreatine	CO_2H.(NH.CNH.NHPh) =1.3	"	....	165 d.	Traube	B., 15, 2120	**44**, 193
Nitrazotoluene	C_6H_4Me.N_2.C_6H_3Me.NO_2	$C_{14}H_{13}O_2N_3$	....	63	Petrieff	Z. C. [2], 6, 264	vi., 286
"	"	"	....	67	"	"	"
"	" =1.4; 1.4.?	"	....	76	"	B., 6, 556	**26**, 1027
Phenolazoacetamidobenzene	HO.C_6H_4.N_2.C_6H_4.NHAc =?; 1.3	"	....	208	Wallach & Schulze	B., 15, 3021	**44**, 583
Dehydracetanilide	$C_8H_7O_3$.NHPh	$C_{14}H_{13}O_3N$	....	115	Oppenheim & Precht	B., 9, 1100	**30**, 506
Nitrodiphenylmethylcarbinol	HO.CMePh.C_6H_4.NO_2	"	....	106–107	Anschütz & Römig	B., 18, 664	**48**, 768
Nitrobenzyltolyloxide	C_6H_4Me.O.CH_2.C_6H_4.NO_2 =$(1.4)_2$	"	....	91	Fritzsche	A., 224, 137	**46**, 1337
"	" =1.4; 1.?	"	....	181	Staedel	A., 217, 153	**44**, 864
Nitrotolylbenzyloxide	Ph.CH_2.O.C_6H_3Me.NO_2 =1.4.2	"	....	54	Fritzsche	A., 224, 137	**46**, 1337
Ethylic α-naphthyloxamate....	$C_{10}H_7$.NH.CO.CO_2Et	"	....	106	Ballo	B., 6, 249	vii., 848; **26**, 913
Benzylnitrobenzenylamidoxime	Ph.CH_2.O.N : C(NH_2).C_6H_4.NO_2=1.3	$C_{14}H_{13}O_3N_3$	....	58	Schöpf	B., 18, 1065	**48**, 896
Nitroazoxytoluene	C_6H_4Me.N_2O.C_6H_3Me.NO_2 =1.4; 1.4.?	"	....	84	Petrieff	B., 6, 557	**26**, 1027
Benzdiamidonitrotoluene	Me.NHBz.NH_2.NO_2=1.4.5.3	"	....	137–139	Kelbe	B., 8, 877	**29**, 270
"	" "	"	....	138	Hübner	A., 208, 317	**40**, 1132

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylenephenylnitrophenyl-ether	$PhO.C_2H_4.O.C_6H_4.NO_2$=1.2	$C_{14}H_{13}O_4N$	....	86	Weddige	J. p. [2], 24, 245	40, 1137
Isopropylic nitro-β-naphthoate	$C_{10}H_6(NO_2).CO_2Pr^{\beta}$	"	....	75–76	Graeff	B., 16, 2254	46, 81
Isopropylic nitro-α-naphthoate	"	"	....	101·5	"	B., 16, 2252	"
Phenyldimethylpyrroline dicarboxylic acid	$CO_2H.C\colon CMe.NPh.CMe\colon C.CO_2H$	"	....	d. 224	Knorr	B., 18, 307	48, 555
Dinitrodibenzylamine	$NH(CH_2.C_6H_4.NO_2)_2$	$C_{14}H_{13}O_4N_3$	....	93	Strakosch	B., 6, 1058	27, 78
"	"	"	....	a. 100	"	B., 6, 1059	
Dinitroditolylamine	$NH(C_6H_3Me.NO_2)_2$=(1.4.?)$_2$	"	....	191	Lellmann	B., 15, 832	42, 1060
Ethenyldinitrodiamidodiphenyl nitrate	$C_{14}H_{12}(NO_2)_2N_2+HNO_3$	$C_{14}H_{13}O_7N_5$	....	d.w.m. 182	Biedermann	B., 7, 540	27, 808
Nitrosodibenzylamine	$(Ph.CH_2)_2N.NO$	$C_{14}H_{14}ON_2$	....	52	Rohde	A., 151, 369	
Benzylbenzenylamidoxime	$NH_2.CPh\colon N.O.CH_2Ph$	"	....	90·5	Krüger	B., 18, 1056	48, 896
Methyldiphenylcarbamide	NHPh.CO.NMePh	"	203–205	104	Gebhardt	B., 17 2093	46, 1321
Phenamidoacetanilide	$NHPh.CH_2.CO.NHPh$	"	....	110–111	Meyer	B., 8, 1156	29, 372
Phenylbenzylcarbamide	$CO\colon N_2H_2Ph.CH_2Ph$	"	....	168	Letts	B., 5, 93	25,449; vii.,181
Methylbenzoylphenylhydrazine	Ph.NMe.NHBz	"	....	153	Tafel	B., 18, 1743	48, 1061
Acetohydrazobenzene	Ph.NH.NAcPh	"	....	159	Stern	B., 17, 380	48, 1015
Acetamidodiphenylamine	$NHPh.C_6H_4.NHAc$=1.4	"	....	158	Nietzki and Witt	B., 12, 1402	
Azoxytoluene	....	"	....	57	Petrieff	Z. C. [2], 6, 30	vi., 286
"	....	"	....	59	"	B., 6, 557	26, 1027
"	....	"	....	70	Melms	B., 3, 551	vii., 1163
"	....	"	....	219	Barsilowsky	A., 207, 117	
Nitrosoditolylamine	$N(C_6H_4Me)_2.NO$=(1.4)$_2$	"	....	100-101	Lehne	B., 13, 1544	
"	" "	"	....	103	Cosack	B., 13, 1092	38, 714
Acetdiamidodiphenyl	$NH_2.C_6H_4.C_6H_4.NHAc$ =(1.4)$_2$	"	....	199	Schultz	A., 207, 332	
Benzdiamidotoluene	$C_6H_3Me.NHBz.NH_2$=1.4.6	"	....	142	Bell	B., 7, 1505	
"	" =1.4.5	"	....	193–194	Hübner	A., 208, 314	40, 1131
Anhydrodiamidobenzotoluidine	....	"	....	232–233	Kelbe	B., 8, 876	29, 270
Tolylazocresol	$C_6H_4Me.N_2.C_6H_3Me.OH$ =1.4; ?.1.4	"	....	112–113	Nölting and Kohn	B., 17, 354	46, 901
Diamidomethylbenzophenone	$NH_2.C_6H_4.CO.C_6H_3Me.NH_2$	"	....	a. 220 d.	Liebermann	B., 16, 1929	44, 1097
Acetdiamidoazobenzene	$NHAc.C_6H_4.N_2.C_6H_4.NH_2$ =1.4; 1.?	$C_{14}H_{14}ON_4$	....	212	Nietzki	B., 17, 345	46, 1016
Benzylphenylhydroxyethenylamidoxime	$HO.CHPh.C(NH_2)\colon N.O.CH_2Ph$	$C_{14}H_{14}O_2N_2$	....	102–103	Gross	B., 18, 1080	48, 898
Phenylhydrazidophenylacetic acid	$N_2H_2Ph.CHPh.CO_2H$	"	....	158 d.	Elbers	A., 227, 340	48, 534
Phenylhydrazine vanillin	$(CH\colon N_2HPh).OMe.OH$ =1.3.4	"	....	105	Tiemann and Kees	B., 18, 1662	48, 1072
Nitroditolylamine	$C_6H_4Me.NH.C_6H_3Me.NO_2$ =1.4; 1.4.?	"	....	85	Lellmann	B., 15, 831	42, 1060
Orcinoldiazotoluene	$C_6H_4Me.N_2.C_6H_2Me(OH)_2$	"	....	203–206	Scichlone	G. I., 12, 223	42, 1285
Diacetdiamidonaphthalene	$C_{10}H_6(NHAc)_2$=β	"	....	234	Lawson	B., 18, 801, 2423	48, 803
Oxalyldiphenylhydrazine	$Ph.N_2H_2.CO.CO.N_2H_2Ph$	$C_{14}H_{14}O_2N_4$	....	277–278	Fischer	A., 190, 131	34, 309
Ethylenediphenyldinitrosamine	....	"	....	157	Morley	B., 12, 1794	38, 112
Nitrobenzeneazodimethaniline	$NO_2.C_6H_4.N_2.C_6H_4.NMe_2$ =1.3; 4.1	"	....	157–158	Meldola	....	45, 120
"	" =(1.4)$_2$	"	....	229–230	"	....	45, 107
Nitrobenzeneazoamidoxylene	$NO_2.C_6H_4.N_2.C_6H_2Me_2.NH_2$ =1.4; 1.3.5.4 and 1.4; 1.2.6.4	"	Mixture (?)	141	"	....	43, 428
Dehydracetophenylhydrazine	$C_8H_8O_3N.NHPh$	$C_{14}H_{14}O_3N_2$	....	207 d.; sf. 200	Perkin & Bernhardt	B., 17, 1523	46, 1121
Phenyldimethylpyridazindicarboxylic acid	....	$C_{14}H_{14}O_4N_2$	....	d. 220	Knorr	B., 18, 308	48, 555

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylenediphenylnitramine	$C_2H_4(NH.C_6H_4.NO_2)_2=(1.3)_2$	$C_{14}H_{14}O_4N_4$	....	206 u. c.	Gattermann and Hager	B., 17, 778	**46**, 1142
Dinitrodiethoxynaphthalene	OEt.OEt=? ; ?	$C_{14}H_{14}O_6N_2$	....	228–229	Alen	B. S. [2], 36, 433	**42**, 410
Trinitrobenzene dimethylaniline	$C_6H_3(NO_2)_3+NMe_2Ph=1.3.5$	$C_{14}H_{14}O_6N_4$	B. S., 30, 5	106–108	Hepp	A., 215, 344	**36**, 51 ; **44**, 316
Dibenzylhydroxylamine	$(Ph.CH_2)_2N.OH$	$C_{14}H_{15}ON$	....	123	Schramm	B., 16, 2185	**46**, 51
Methylmethoxydiphenylamine	$C_6H_4.OMe.NPhMe=1.4$	„	313	Liquid	Philip and Calm	B., 17, 2431	**48**, 155
Benztriamidotoluene	$Me.(NH_2)_2.NHBz=1.3.5.4$	$C_{14}H_{15}ON_3$	....	182–183	Kelbe	B., 8, 877	**29**, 270
„	„ „	„	....	*183–185*	Hübner	A., 208, 318	**40**, 1132
Diazoorcen-o-toluidine	....	$C_{14}H_{15}O_2N_3$	....	203–206	....	G. I. [1882], 223	
Ethylic ethoxycinchonate	$N.OH.CO_2H=1.2.4$;	$C_{14}H_{15}O_3N$	....	86	Königs & Körner	B., 16, 2156	**46**, 85
Diacetamidopropenylbenzoic acid	$NAc_2.C_3H_5.CO_2H=1.2.5$	$C_{14}H_{15}O_4N$	....	215–216	Widmann	B., 16, 2575	**46**, 318
Ethylic allylnitrobenzoylacetate	$NO_2.C_6H_4.CO.CH(C_3H_5).CO_2Et=1.4$	$C_{14}H_{15}O_5N$	....	45–46	Perkin & Bellenot	B., 18, 958	**48**, 795
Ethylic nitrobenzoyltetramethylenecarboxylate	$CH_2.(CH_2)_2.C(CO_2Et).CO.C_6H_4.NO_2=1.4$	„	....	62–63	„	B., 18, 954	„
Diethylic nitrobenzalmalonic acid	$NO_2.C_6H_4.CH:C(CO_2Et)_2=1.2$	$C_{14}H_{16}O_6N$	....	53	Stuart	....	**47**, 158
„ „ „	„ $=1.4$	„	....	93	„	....	„
Trinitranilinedimethylaniline	$C_6H_2.NH_2.(NO_2)_3+Ph.NMe_2$	$C_{14}H_{15}O_6N_5$	....	139–141	Hepp	A., 215, 359	
Diethylic nitrobenzoylmalonate	$NO_2.C_6H_4.CO.CH(CO_2Et)_2=1.2$	$C_{14}H_{15}O_7N$	....	54 u. c.	Bischoff and Rach	B., 17, 2792	**48**, 264
„ „	„ „	„	d. 100	92	Bischoff	B., 16, 1045	**44**, 912
Aniline on pyrotartaric acid	....	$C_{14}H_{16}ON_2$	....	194–195	Böttinger	B., 17, 997	**46**, 1006
Nitrosodiethylnaphthylamine	$C_{10}H_6.NO.NEt_2$	„	....	165	Smith	....	**41**, 182
Azoxytoluidine	$(NH_2.C_6H_3Me)_2:N_2O$	$C_{14}H_{16}ON_4$	....	148	Buckney	B., 11, 1453	**34**, 863
„	„ $=(1.3.4, \text{ or } 1.4.3)_2$	„	....	168	Graeff	A., 229, 340	**48**, 1128
„	„ „	„	....	168	Limpricht	B., 18, 1405	**48**, 974
Hydroxyazotoluidine	$NH_2.C_6H_2Me(OH).N_2.C_6H_3.Me.NH_2$	„	....	212 d.	„	„	**48**, 975
„	„	„	....	212 d.	Graeff	A., 229, 340	**48**, 1128
Ethylenediamidophenol	$C_2H_4(O.C_6H_4.NH_2)_2=(1.2)_2$	$C_{14}H_{16}O_2N_2$	....	127	Weddige	J. p. [2], 20, 127	**38**, 316
„	„ „	„	....	128	Wagner	J. p. [2], 27, 201	**46**, 434
„	„ $=(1.3)_2$	„	....	135	„	J. p. [2], 27, 209	„
„	„ $=(1.4)_2$	„	....	168–172	„	J. p. [2], 27, 206	„
Dihydroxystilbene diamine	$(HO.C_6H_4.CH(NH_2).)_2$	„	....	180·5	Japp and Hooker	....	**45**, 675
Dibenzylamine nitrate	$(Ph.CH_2)_2NH+HNO_3$	$C_{14}H_{16}O_3N_2$	....	186	Limpricht	A., 144, 304	vi., 337
Ethylic methyloxyquinizinacetate	$C_6H_4.N.NH.CMe.CH(CH_2.CO_2Et).CO=1.2$	„	....	138	Knorr and Blank	B., 17, 2052	**46**, 1380
Diphenylguanylguanidine nitrate	$NPh:C(NHPh).NH.C(NH_2):NH+HNO_3$	$C_{14}H_{16}O_3N_6$	....	231	Bamberger	B., 13, 1584	**40**, 44
Diacetylmethylbenzylglyoxime	$Me.(C:NOAc)_2.CH_2Ph$	$C_{14}H_{16}O_4N_2$	....	80	Schramm	B., 16, 2188	**46**, 52
Aniline oxalate	$(.COONH_3Ph)_2$	„	....	nf. 180	Piria	C., 2, 305	iv., 427
o-Phenylenediimidobutyric acid	....	„	....	176	Knorr	B., 17, 545	**46**, 1198
Acetylcarbazolin	$C_{12}H_{14}NAc$	$C_{14}H_{17}ON$	....	98	Græbe and Adlerskron	A., 202, 25	**38**, 660
o-acetamido-cumenylacrylic acid	$C_9H_{10}(NHAc).C_2H_2.CO_2H$	$C_{14}H_{17}O_3N$	....	220	Widmann	B., 17, 2283	**48**, 56
m- „ „	„	„	....	240	„	„	„
Ethylic o-nitrocumenylacrylate	$C_9H_{10}(NO_2).C_2H_2.CO_2Et$	$C_{14}H_{17}O_4N$	....	Liquid	„	„	„
„ m- „	„	„	....	58–59	„	„	„
Triethylic β-pyridinetricarboxylate	$N.(CO_2Et)_3=1.2.4.6$	$C_{14}H_{17}O_6N$	cf., 35, 189	127·5	Voigt	A., 228, 29	**48**, 813

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Pentamethyloxyquinizine	$C_6HMe_3.N.NMe.CMe.CH_2.$ CO=1.3.4.6.5	$C_{14}H_{18}ON_2$	....	105–106	Haller	B., 18, 708	**48**, 818
α-coniceïne picrate	$C_8H_{15}N.C_6H_2(NO_2)_3.OH$	$C_{14}H_{18}O_7N_4$	....	225	Hofmann	B., 18, 8, 11	**48**, 401
Isoamylic hippurate....	$NHBz.CH_2.CO_2.(CH_2)_2.Pr^\beta$	$C_{14}H_{19}O_3N$	B., 11, 1247	27–28	Campani and Bizzarri	G. I., 10, 257	**38**, 870
" "	"	"	....	28	Campani	G. I., 8, 57	**34**, 674
Suberanilic acid	$Ph.NH.C_8H_{12}O_2.OH$	"	A., 68, 31	128	Laurent & Gerhardt	A. C. [3], 24, 185	**v.**, 448
m-acetamido-cumenylpropionic acid	$C_9H_{10}(NHAc).C_2H_4.CO_2H$	"	....	168	Widmann	B., 17, 2283	**48**, 56
Diethylic collidine-dicarboxylate	$N.Me_3.(CO_2Et)_2=?$	$C_{14}H_{19}O_4N$	308–310	Liquid	Hantzsch	A., 215, 21	**44**, 83
" "	"	"	310	Liquid	"	B., 14, 1638	**40**, 1029
Glucovanillin aldoxime	$C_6H_3(CH:NOH).OMe.(O.C_6H_{11}O_5)=1.3.4$	$C_{14}H_{19}O_8N$	....	152	Tiemann and Kees	B., 18, 1664	**48**, 1072
Glucoseacetonitrose	$C_6H_7O(OAc)_4.NO_3$	$C_{14}H_{19}O_{12}N$	....	145	Colley	C. R., 76, 436	**26**, 612
Picramide+dimethylaniline	$NMe_2Ph+C_6H_2(OH)(NH_2)_3$	$C_{14}H_{20}ON_4$	....	139–141	Hepp	A., 215, 344	**44**, 316
Cuminyldiacetamide....	$C_6H_4Pr.CH(NHAc)_2$	$C_{14}H_{20}O_2N_2$	....	212	Raab	B., 8, 1150	**29**, 398
Diethylic phenylenediglycocollate	$C_6H_4(NH:CH_2.CO_2Et)_2=1.3$	$C_{14}H_{20}O_4N_2$	....	73	Zimmermann	B., 15, 518	**42**, 957
"	" =1.4	"	....	83	"	B., 16, 515	**44**, 797
"	" =1.2	"	....	135	"	"	"
Dinitrotetraethylbenzene	$Et_4.(NO_2)_2=1.2.3.5.4.6$	"	....	115	Galle	B., 16, 1745	**44**, 1092
Anisaldehyde+urethane	$MeO.C_6H_4.CH(NH.CO_2Et)_2=1.4$	$C_{14}H_{20}O_5N_2$	....	171–172	Bischoff	B., 7, 1080	**28**, 146
Diethylic collidinedicarboxylate nitrate	$C_5NMe_3(CO_2Et)_2+HNO_3$	$C_{14}H_{20}O_7N_2$	....	92	Hantzsch	A., 215, 21	**44**, 83
" hydrocollidinecarboxylate	$C_5NH_2Me_3(CO_2Et)_2$	$C_{14}H_{21}O_4N$	310 d; 315	131	"	B., 14, 1637; A., 215, 8	**40**, 1028; **44**, 82
Camphorethylimidethylimidine	$C_8H_{14}.CO.NEt.C:NEt$	$C_{14}H_{24}ON_2$	284–286	Liquid	Wallach and Kamenski.	B., 13, 520; 14, 162; A., 214, 245	**38**, 548; **40**, 285
Azoxybenzotoluide	$O:N_2:(C_6H_4.CO.NH.C_6H_4Me)_2$	$C_{14}H_{24}O_3N_4$	....	290	Mixter	A. C. J., 5, 282	**46**, 666
n-Hexyl-n-œnanthylcarbamide	$C_6H_{13}.NH.CO.NH.C_7H_{13}O$	$C_{14}H_{28}O_2N_2$	....	97	Hofmann	B., 15, 759	**42**, 1053
Myristamide	$C_{13}H_{27}.CO.NH_2$	$C_{14}H_{29}ON$	....	102	Reimer and Will	B., 18, 2016	
"	"	"	A., 202, 174	*102*	Masino	G. I., 10, 72	**38**, 460
"	"	"	....	104–105	Krafft and Stauffer	B., 15, 1730	**42**, 1274
Pseudoveratrine	....	$C_{14}H_{36}O_3N_2?$	....	185	Couerbe	A. C. [2], 52, 352	**iv.**, 745
Trinitrofluoranthene....	....	$C_{15}H_7O_6N_3$	...	nf. 300	Fittig and Gebhard	....	**36**, 166
Nitrobenzylidene phthalide	$O.CO.C_6H_4.C:CPh.NO_2=1.2$	$C_{15}H_9O_4N$	....	195; sf. 180	Gabriel	B., 18, 1255	**48**, 903
Phthalamidobenzoic acid	$C_6H_4:(CO)_2:N.C_6H_4.CO_2H=(1.2)_2$	"	....	217	"	B., 11, 2261	**36**, 324
" "	" =1.2; 1.3	"	....	*276*	"	B., 11, 2262	"
" "	" "	"	....	282	Pellizzari	B., 18, 216	**48**, 534
Nitromethylanthraquinone....	$C_6H_4:(CO)_2:C_6H_2Me.OH=2.1; 1.2.4.5$	"	....	269–270	Römer and Link	B., 16, 697	**44**, 1139
Phenylpyridinetetracarboxylic acid	$N.Ph.(CO_2H)_4=1.4.2.3.5.6$	$C_{15}H_9O_8N$	....	205–207	Hantzsch	B., 17, 1517	**46**, 1194
Nitrophenylquinoline	$C_9H_6N.C_6H_4.NO_2=\alpha_1\beta_1$; 1.3	$C_{15}H_{10}O_2N_2$	....	124	Miller & Kinkelin	B., 18, 1903	**48**, 1144
Quinidinequinoline anilide	fr. N; $O_2=\alpha_1$; $\alpha_1\alpha_2$	"	....	190+	Fischer and Renouf	B., 17, 1644	**46**, 1371
Diphenylparabanic acid	CO.NPh.CO.NPh.CO	$C_{15}H_{10}O_3N_2$	....	204	Hofmann	B., 2, 688	
" "	"	"	....	204	Stojentin	J. p., 32, 1	**48**, 1196
Benzenylazoximebenzenylcarboxylic acid	$O.N:CPh.N:C.C_6H_4.CO_2H=1.2$	"	....	151	Schulz	B., 18, 2464	**48**, 1219
Phenylcyanate + isatin	$PhCNO+C_8H_5O_2N$	"	....	180 d.	Gumpert	J. p. [2], 31, 119	**48**, 656
Phthalimidylnitrobenzyl	$C_6H_4.CO.N:C.CHPh.NO_2$	"	....	199	Gabriel	B., 18, 1261	**48**, 903
Isatamidobenzoic acid	$CO.NH.C_6H_4.C:N.OBz$	"	....	251–253	Schiff	A., 210, 121	**42**, 304
Nitrobenzaldehyde indogenide	$CO.C_6H_4.NH.C:CH.C_6H_4.NO_2=1.?; 1.4$	"	....	273	Baeyer	B., 16, 2199	**46**, 76

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrobenzylidenephthalide	$O.CO.C_6H_4.C(NO_2).CHPh.$ $NO_2=1.2$	$C_{15}H_{10}O_6N_2$	....	110–113	Gabriel	B., 18, 1251.	**48**, 902
Quinoline picrate	....	$C_{15}H_{10}O_7N_4$	....	203	Goldschmidt and Schidt	W. A., 83, 7.	**40**, 824
Hydroxyquinoline picrate	$N.OH=\alpha_1$; α_1	$C_{15}H_{10}O_8N_4$	....	203–204	Skraup	M. C., 3, 536	**44**, 92
” ”	” $=\alpha_1$; β_2	”	....	*235–235·5*	”	M. C., 4, 695	**46**, 87
” ”	” ”	”	....	235–236	”	M.C.,2,575; 3,545	
Benzaldehyde indogenide	$CO.C_6H_4.NH.C:CHPh$	”	....	175–176	Baeyer	B., 16, 2197	**46**, 75
Benzalphthimidine	$NH.CO.C_6H_4.C:CHPh=1.2$	”	....	182–183	Gabriel	B., 18, 2435	**48**, 1229
Imidodeoxybenzoincarboxylic anhydride	$C_6H_4.CO.N:C.CH_2Ph=1.2$	”	....	182–183	Gabriel & Michael	B., 11, 1682	**36**, 246
Isobenzalphthalimidine	$C_6H_4.CO.NH.CPh:CH$	”	....	197	Gabriel	B., 18, 2449	**48**, 1231
Formanthramine	$C_{14}H_9.NH.CHO$	”	....	242	Bollert	B., 16, 1640	**44**, 1140
Anthracenecarboxylamide	$C_{14}H_9.(CO.NH_2)$	”	....	293–295	Börnstein	B., 16, 2611	**46**, 330
Phenylcarbostyril	$N.OPh=\alpha_1\ \beta_1$;	$C_{15}H_{11}ON$	....	68–69	Friedländer	B., 15, 336	**42**, 733
Hydroxyphenylquinoline	$C_9H_5N.C_6H_4.OH=\alpha_1\ \beta_1$; 1.3	”	....	156	Miller & Kinkelin	B., 18, 1908	**48**, 1145
Lactone of α-benzylphenylacetoxime carboxylic acid	$C_6H_4.CO_2.N:CPh.CH_2=1.2$	$C_{15}H_{11}O_2N$	....	116–117	Gabriel	B.,18,1259; 2448	**48**, 903, 1231
Lactone of β-benzylphenylacetoxime carboxylic acid	”	”	....	137–139	”	B., 18, 2448	**48**, 1231
Benzylpseudisatin	....	” ?	....	131	Antrick	A., 227, 360	**48**, 543
Phenylindolecarboxylic acid	....	”	....	173–176	Fischer and Hess	B., 17, 568	**46**, 1181
Tolylphthalimide	$C_6H_4:(CO)_2:N.C_6H_4Me$ =1.2; 1.3	”	....	153	Fröhlich	B., 17, 2679	**48**, 155
”	” $=(1.2)_2$	”	....	179	Piutti	G. I., 13, 542	**46**, 453
”	” ”	”	....	*182*	Fröhlich	B., 17, 2679	**48**, 155
”	” =1.2 ; 1.4	”	....	200 u.c.	Michael	B., 10, 579	**32**, 616
”	” ”	”	....	*204*	Fröhlich	B., 17, 2679	**48**, 155
Amidomethylanthraquinone	$C_6H_4:(CO)_2:C_6H_2MeNH_2$ =2.1 : 1.2.4.5	”	....	202	Römer and Link	B., 16, 698	**44**, 1139
Benzenylazoximebenzenylcarboxylamide	$O.N:CPh.N:C.C_6H_4.CO.$ NH_2	$C_{15}H_{11}O_2N_3$	....	160	Schulz	B., 18, 2467	**48**, 1219
Isatamidobenzamide....	$C_6H_4.NH.CO.C:N.C_6H_4.$ $CO.NH_2=1.2$; 1.3	”	....	280 d.	Schiff	A., 218, 185	**46**, 455
Nitrosofurfurin (B., 11, 1250)	....	$C_{15}H_{11}O_4N_3$	....	112	”	G. I., 8, 76	**34**, 657
Phthalylamidobenzoic acid	$CO_2H.C_6H_4.CO.NH.C_6H_4$ $CO_2H=1.2$; 1.4	$C_{16}H_{11}O_5N$	....	275–277	Michael	B., 10, 579	**32**, 616
Phenylethenylazoximebenzenyl	$Ph.CH_2.C:N.O.CPh:N$	$C_{15}H_{12}ON_2$	....	82	Knudsen	B., 18, 1071	**48**, 897
Acetophenonecarboxylic phenylhydrazide	....	”	....	102	Roser	B., 18, 804	**44**, 797
p-Methylisatinphenylimide	$C_8H_4MeNO:NPh$	”	....	239–240	Meyer	B., 16, 2267	**46**, 48
β-naphtho-dimethyloxyquinizine	....	”	....	129	Knorr	B., 17, 551	**46**, 1154
Hydroxyphenyltoluquinoxaline	$C_7H_6.N:CPh.C(OH):N$	”	....	196–197	Hinsberg	B., 18, 1229	**48**, 909
Benzylnitrosophthalidine	$C_6H_4.CO.N(NO).CH.CH_2Ph$	$C_{15}H_{12}O_2N_2$	....	92–93	Gabriel	B., 18, 1263	**48**, 903
Phthalyldiamidotoluene	$C_6H_4:(CO.NH)_2:C_6H_3Me$ =1.2 ; 1.2.?	”	....	104	Biedermann	B., 10, 1165	
” ”	” =1.2 ; 1.3.?	”	....	192	”	B., 10, 1161	**32**, 783
?	....	”	$+\frac{1}{2}H_2O$	200	Stojentin	J. p., 32, 1	**48**, 1196
Furfurine (A., 54, 59)	....	$C_{15}H_{12}O_3N_2$	....	m. b., 100	Stenhouse	A., 74, 283	ii., 747
” (A., 88, 127)	....	”	....	100	Fownes	P. T. [1845], 253	**34**, 46
”	See orig. paper	”	....	116	Schiff	B., 10, 1188	”
Furfuramide (A., 54, 56)....	”	”	....	117	”	”	”
Dibenzoylcarbamide	$CO(NHBz)_2$	”	....	Solid	Schmidt	J. p. [2], 5, 60	vii., 268
” ”	”	”	....	210	McCreath	B., 7, 1739	**28**, 465
Nitrobenzalphthalimidinic acid	$NO_2.CPh:C(NH_2).C_6H_4.$ $CO_2H=1.2$	$C_{15}H_{12}O_4N_2$	....	147–150	Gabriel	B., 18, 2440	**48**, 1230

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Isatamidobenzoic acid ...	$C_6H_4.NH.CO.C:N.C_6H_4.CO_2H$=1.2 ; 1.3	$C_{16}H_{12}O_4N_2$	$+H_2O$	251–253 d.	Schiff	A., 210, 121	
Diethylic carboxamidobenzoate	$CO(NH.C_6H_4.CO_2Et)_2$=(1.3)$_2$	$C_{15}H_{12}O_6N_2$	....	160	Wachendorff	B., 11, 701	**34**, 674
Methylindole picrate ..	$C_9H_9N.C_6H_2(NO_2)_3.OH$	$C_{15}H_{12}O_7N_3$	....	150	Fischer and Hess	B., 17, 563	**46**, 1181
Benzylphthalidine	$C_6H_4.CO.NH.CH.CH_2Ph$	$C_{15}H_{13}ON$	....	135–137	Gabriel	B., 18, 1262	**48**, 903
Amidomethylanthranol ...	$CH.C_6H_4.C(OH).C_6H_2Me.NH_2$	,,	....	183	Römer and Link	B., 16, 704	**44**, 1138
Acetamidofluorene	$C_6H_4.C_6H_2(NHAc).CH_2$ =1.2 ; 1.4.2	,,	....	187–188	Strasburger	B., 17, 108	**46**, 754
Acetyldiphenylacetoxime ...	$Ph_2C:N.OAc$	$C_{15}H_{13}O_2N$	....	55	Spiegler	M. C., 5, 203	**46**, 1156
Dibenzoylhydrocyanide ..	$HN:CBz_2$	,,	....	195	Zinin	Z. C. [2], 4, 710	**vi.**, 329
Acetamidobenzophenone ...	$Ph.CO.C_6H_4.NHAc$	,,	A., 210, 270	153	Döbner and Weiss	B., 14, 1838	**42**, 176, 508
Deoxybenzoïncarboxylamide	$NH_2.CO.C_6H_4.CO.CH_2Ph$ =1.2	,,	....	165–166	Gabriel	B., 18, 2434	**48**, 1229
Nitrocinnamaldehydephenylhydrazine	$NO_2.(CH:CH.CH:N_2HPh)$ =1.2	$C_{15}H_{13}O_2N_3$	....	157·5	Diehl and Einhorn	B., 18, 2338	**48**, 1222
,, ,,	,, =1.3	,,	....	160	Kinkelin	B., 18, 484	**48**, 791
,, ,,	,, =1.4	,,	....	180–181	Diehl and Einhorn	B., 18, 2337	**48**, 1222
Formylbenzylamidobenzoic acid	$CO_2H.N(COH)(CH_2Ph)$=1.2	$C_{15}H_{13}O_3N$	....	196 u.c.	Claus & Glyckherr	B., 16, 1285	**44**, 1009
Acetylnitrobenzylidenephenylhydrazine	$NPhAc.N:CH.C_6H_4.NO_2$ =1.3	$C_{15}H_{13}O_3N_3$	....	170	Schrœder	B., 17, 2098	**46**, 1323
Benzanishydroxamic acid	$NBz(CO.C_6H_4.OMe).OH$ =1.4	$C_{15}H_{13}O_4N$	....	131–132	Lossen	A., 175, 288	**28**, 635, 636
Anisbenzhydroxamic acid	$N(CO.C_6H_4.OMe)Bz.OH$ =1.4	,,	....	147–148	,,	A., 175, 294	,,
Methylic salicylatephenylcarbamate	$NHPh.CO_2.C_6H_4.CO_2Me$ =1.2	,,	....	238	Snape	....	**47**, 775
Nitrophenoxyethylene benzoate	$NO_2.C_6H_4.O.C_2H_4.O.Bz$=1.2	$C_{15}H_{13}O_6N$	....	76–77	Weddige	J. p. [2], 24, 252	
Pyropapaveric acid	....	,,	....	230	Goldschmidt	M. C., 6, 372	**48**, 1081
Dinitro-a-dimethamidobenzophenone	fr. $Ph.CO.C_6H_4.NMe_2$	$C_{15}H_{13}O_5N_3$	....	142	Fischer	A., 206, 90	**40**, 587
Salicylethylenenitrophenol ether	$HO.C_6H_4.CO_2.C_2H_4.O.C_6H_4.NO_2$=(1.2)$_2$	$C_{15}H_{13}O_6N$	....	106	Wagner	J. p. [2], 28, 215	**46**, 436
,, ,, ...	,, =1.2 ; 1.4	,,	....	131	,,	J. p. [2], 28, 221	,,
Ethylenenitrophenoloxybenzoic acid	$NO_2.C_6H_4.O.C_2H_4.O.C_6H_4.CO_2H$=1.4 ; 1.2	,,	....	130	Weddige	J. p. [2], 24, 241	**40**, 1139
,, ,, ...	,, ,,	,,	....	*132*	Wagner	J. p. [2], 28, 220	**46**, 435
,, ,, ...	,, =(1.2)$_2$	,,	....	143	Weddige	J. p. [2], 24, 241	**40**, 1139
,, ,, ...	,, ,,	,,	....	142–148	Wagner	J. p. [2], 28, 214	**46**, 435
,, ,, ...	,, =1.2 ; 1.4	,,	....	205–207	,,	J. p. [2], 28, 222	,,
,, ,, ...	,, =(1.4)$_2$	,,	....	218	,,	J. [2], 28, 225	,,
Acetobenzylidinephenylhydrazine	$Ph.CH:N.NPhAc$	$C_{15}H_{14}ON_2$	fr. alcohol fr. hot wtr.	115–117 119–120	Schrœder	B., 17, 2097	**46**, 1323
CNCl on benzylalcohol	....	,,	....	143	Cannizzaro	G. I., 1, 33	**vii.**, 178 ; **24**, 927
Anhydride of acid $C_{15}H_{16}O_2N_2$	See orig. paper	,,	....	164	Plöchl	B., 14, 1141	**40**, 820
Ethylenediphenylcarbamide	$CH_2.NPh.CO.NPh.CH_2$	,,	....	209	Michler and Keller	B., 14, 2183	**42**, 182
Methoxyphenylphenamidoacetonitril	$C_6H_4.OMe.[CH(NHPh).CN]$ =1.2	,,	....	61	Voswinckel	B., 15, 2026	**44**, 190
Anhydrobenzoylamidoethylene-o-amidophenyl ether	See orig. paper	,,	....	149–151	Weddige	J. p. [2], 24, 250	**40**, 1138
Acetylphenylcarbamide	$NHPh.CO.NPhAc$	$C_{16}H_{14}O_2N_2$	....	115	McCreath	B., 8, 1182	**29**, 401
Methylphenylhydrazine phenylglyoxylic acid	$N_2MePh:CPh.CO_2H$	,,	....	116 d.	Elbers	A., 227, 340	**48**, 535
Benzoylphenylethenylamidoxime	$CH_2Ph.C(NH_2):NOBz$	,,	....	144	Knudsen	B., 18, 1069	**48**, 897

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diphenylhydrazinepyroracemic acid	$NPh_2.N : CMe.CO_2H$	$C_{15}H_{14}O_2N_2$	....	145	Fischer and Hess	B., 17, 567	**46**, 1181
Methylene dibenzamide	$CH_2(NH.CO.Ph)_2$	”	....	212	Hepp and Spiess	B., 9, 1427	**31**, 314
Malonanilide	$CH_2(CO.NHPh)_2$	”	....	220	Seifert	B., 18, 1361	**48**, 984
”	”	”	....	222–223	Rügheimer	B., 17, 235	**46**, 729
”	”	”	....	*223*	Freund	B., 17, 134	**46**, 728
Nitrosobenzylamidoacetophenone	$Ph.CH_2.N(NO).C_6H_4.Ac$ $=1.2$	”	....	54–55	Baeyer	B., 17, 972	**46**, 1021
Phenylazoacetocresol	$Ph.N_2.C_6H_3Me.OAc=?.1.4$	”	....	67–68	Nölting and Kohn	B., 17, 353	**46**, 901
”	” $=?.1.2$	”	....	81–82	”	B., 17, 364	**46**, 902
Nitrophenylhydroquinoline....	$C_9H_{10}N.C_6H_4.NO_2=1.2.3;1.3$	”	....	100–101	Miller & Kinkelin	B., 18, 1906	**48**, 1145
Benzoylphenylhydroxyethenylamidoxime	$HO.CHPh.C(NH_2) : NOBz$	$C_{16}H_{14}O_3N_2$	....	148–149	Gross	B., 18, 1078	**48**, 898
?	See B., 17, 129	”	....	137	Tiemann	B., 17, 127	**46**, 734
Methylic diphenylallophanate	....	”	....	231	Hofmann	B., 4, 248	**24**, 394; **vii.**, 408
?	$N_2HPh : CH.C_6H_4.O.CH_2.$ $CO_2H=1.2$	”	....	105; sf. 60	Rössing	B., 17, 2995	**48**, 388
Toluylnitrotoluide	$C_6H_3Me.NO_2.NH(CO.$ $C_6H_4Me)=1.3.4$; 1.4	”	....	165–166	Hübner	A., 210, 331	**42**, 504
β-benzoylnitroxylidine	$Me_2.NO_2.NHBz=?$	”	A., 208, 323	178	”	B., 10, 1711	**34**, 143
α- ”	” $=?$	”	A., 208, 320	184·5	”	”	”
Carbonyldibenzenylamidoxime	$CO(O.N : CPh.NH_2)_2$	$C_{15}H_{14}O_3N_4$	....	128–129	Falck	B., 18, 2471	**48**, 1217
Benzamidoethylenenitrophenyl ether	$NHBz.C_2H_4.O.C_6H_4.NO_2$ $=1.2$	$C_{15}H_{14}O_4N_2$	....	94–95	Weddige	J. p. [2], 24, 249	**40**, 1138
Nitrophenyl-β-lactanilide	$C_6H_4.NO_2.[CH(OH).CH_2.$ $CO.NHPh]=1.4$	”	....	176–178	Basler	B., 17, 1502	**46**, 1173
Dinitroditolylmethane	fr. $CH_2(C_6H_4Me)_2$	”	....	164 u.c.	Weiler	B., 7, 1183	**28**, 151
Dinitrodibenzylmethane	$CH_2(CH_2.C_6H_4.NO_2)_2$	”	....	186	Sesemann	I. D. Zürich	**28**, 74
Dinitrophenylacetdiamidotoluene	$C_6H_3(NO_2)_2.NH.C_6H_3Me.$ $NHAc=(?)_3$; 2.1.4 or 4.1.2	$C_{15}H_{14}O_5N_4$	....	163–164	Leymann	B., 15, 1237	**42**, 1057
Dinitroditolylcarbamide	$CO(NH.C_6H_3Me.NO_2)_2$ $=(1.4.?)_2$	”	....	233 d.	Perkin	....	**37**, 699
Tetrahydroquinoline picrate	$C_9NH_{11}+C_6H_2(NO_2)_3.OH$	$C_{15}H_{14}O_7N_4$	....	125	Ostermeyer	C. C., 1884, 970	**48**, 672
Ethyl diphenylacetoxime	$CPh_2 : NOEt$	$C_{16}H_{15}ON$	276–279 p.d.	Liquid	Spiegler	M. C., 5, 203	**46**, 1156
Benzoylethylaniline	$Ph.NEtBz$	”	260 (620)	60	Hesse	B., 18, 687	**48**, 784
Dimethamidobenzophenone	$C_6H_4Bz.NMe_2=?$	”	330–335	38	Fischer	B., 10, 958	**32**, 606
”	” ”	”	....	38–39	”	B., 12, 797	**36**, 787
”	” ”	”	*330–340*	*38–39*	”	A., 206, 88	**40**, 587
”	” $=1.4$	”	A., 217, 257	90	Doebner and Weiss	B., 14, 1837	**42**, 176
”	” ”	”	A., 210, 270	90	Doebner	B., 13, 2225	**40**, 165
Benzylamidoacetophenone	$Ph.CH_2.NH.C_6H_4Ac=1.2$	”	....	79–81	Baeyer	B., 17, 971	**46**, 1021
Acetamidodiphenylmethane	$Ph.CH_2.C_6H_4.NHAc=1.3$	”	....	91	Becker	B., 15, 2092	
Acetophenonemethanilide	$Bz.CH_2.NMePh$	”	B., 16, 23	119–120	Staedel and Siepermann	B., 14, 984	**38**, 639
”	”	”	....	120 d.	”	B., 13, 843	
Benzamidoethylbenzene	$C_6H_4Et.NHBz=1.2$	”	....	147	Paucksch	B., 17, 2802	**48**, 256
”	” $=1.4$	”	....	151	”	”	”
Tolylphenylacetamide	$C_6H_4Me.CHPh.CO.NH_2=1.4$	”	....	151	Tanisch	B., 10, 997	**32**, 618
Acetamidotolyphenyl	$Ph.C_6H_3Me.NHAc(?)$	”	....	114·25	Jackson	A. J. S., 13, 449	**32**, 762
”	”	”	....	114·2	”	B., 8, 970	**29**, 269
Xylic anilide	$Me_2.(CO.NHPh)=1.3.4$	”	....	138·5	Ador and Meier	B., 12, 1971	**38**, 252
Benzamidoxylene	$Me_2.NHBz=1.3.?$	”	A., 208, 322	140	Hübner	B., 10, 1711	**34**, 143
”	”	”	A., 208, 319	192	”	B., 10, 1710	”
Acetmethamidoazobenzene	$Ph.N_2.C_6H_4.NMeAc$	$C_{15}H_{15}ON_3$	....	139	Berju	B., 17, 1402; C. C., 1884, 871	**46**, 1148; **48**, 660
Diphenylurethane	$NPh_2.CO_2Et$	$C_{15}H_{15}O_2N$	B., 5, 284	72; af. 66	Merz and Weith	B., 6, 1512	**27**, 375
”	$Ph.C_6H_4.NH.CO_2Et$	”	....	110	Zimmermann	B., 13, 1965	**40**, 176
Tolylphenamidoacetic acid	$Me.[CH(NHPh).CO_2H]=1.3$	”	....	137–139	Bornemann	B., 17, 1471	**46**, 1163
Phenyltoluidoacetic acid	$C_6H_4Me.NH.CHPh.CO_2H$ $=1.2$	”	....	142–144 d.	Stockenius	J., 1878, 781	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenyltoluidoacetic acid	$C_6H_4Me.NH.CHPh.CO_2H$ =1.4	$C_{15}H_{15}O_2N$	....	167–170	Stockenius	J., 1878, 780	
Ethoxybenzanilide	$C_6H_4.OEt.(CO.NHPh)$=1.4	"	....	170	Leuckart and Schmidt	B., 18, 2340	**48**, 1224
Methylcarbophenyllutidyliumdehydride	$C_6(NMe)HPh.OMe.COMe$	"	....	160–161	Hantzsch	B., 17, 2915	**48**, 398
Phenylethenylphenyluramidoxime	$Ph.CH_2.C(NH.CO.NHPh)$: NOH	$C_{15}H_{15}O_2N_3$	....	123	Knudsen	B., 18, 1074	**48**, 898
p-acetamidotolylazophenol	$NHAc.C_6H_3Me.N_2.C_6H_4.OH$	"	....	252–253	Wallach	B., 15, 2827	**44**, 584
Amidophenoxyethylenebenzoate	$NH_2.C_6H_4.O.C_2H_4.OBz$=1.2	$C_{15}H_{15}O_3N$	....	98–100	Weddige	J. p. [2], 24, 253	
?	CO.CH : CMe.NPh.CMe : C. CO_2Me	"	....	152	Perkin	B., 18, 683	**48**, 761
Phenylhydroxyethenylphenyluramidoxime	HO.CHPh.C(NOH).NH.CO. NHPh	$C_{15}H_{16}O_3N_3$	....	155	Gross	B., 18, 2478	**48**, 1218
Ethyleneamidophenyloxybenzoic acid	$NH_2.C_6H_4.O.C_2H_4.O.C_6H_4.$ $CO_2H=(1.2)_2$	$C_{15}H_{15}O_4N$	....	110	Wagner	J. p. [2], 28, 218	**46**, 436
" "	" =1.2 ; 1.4	"	....	185	"	J. p. [2], 28, 223	"
p-Tolyldimethylpyrroline dicarboxylic acid	$CO_2H.C : CMe.N(C_6H_4Me).$ $CMe : C.CO_2H$	"	....	d. 250	Knorr	B., 18, 308	**48**, 555
Dinitroditolylguanidine	$CN_3H_3(C_6H_3Me.NO_2)_2$ $=(1.4)_2$	$C_{15}H_{15}O_4N_6$	....	197 d.	Perkin	....	**37**, 698
Ethylic nitrocinnamylacetoacetate	$C_6H_4(NO_2)(CH : CH.CO.$ $CHAc.CO_2Et)$=1.2	$C_{15}H_{15}O_6N$	....	120·5	Fischer and Kuzel	B., 16, 35, 163	**44**, 587
Benzylphenylethenylamidoxime	$CH_2Ph.C(NH_2) : NO.CH_2Ph$	$C_{15}H_{16}ON_2$	....	55	Knudsen	B., 18, 1072	**48**, 897
Ethyldiphenylcarbamide	NHPh.CO.NEtPh	"	....	91	Gebhardt	B., 17, 2093	**46**, 1321
Dimethyldiphenylcarbamide	$CO(NMePh)_2$	"	350	120–121	Michler & Zimmermann	B., 12, 1166	**38**, 935
Dibenzylcarbamide	$NH_2.CO.N(CH_2Ph)_2$	"	B., 9, 81	*124–125*	Paterno and Spica	G. I., 5, 388	**29**, 602
"	$CO(NH.CH_2Ph)_2$	"	B., 4, 412	166–167	Cannizzaro	G. I., 1, 41	**24**, 928
"	"	"	....	167	Letts	B., 5, 93	**25**, 449; vii., 181
"	"	"	....	*167*	Paterno and Spica	G. I., 5, 388	**29**, 602
p-tolylglycollanilide	$C_6H_4Me.NH.CH_2.CO.NHPh$	"	....	82–83	Meyer	B., 8, 1161	**29**, 402
Tolylanilidoacetamide	$Me.[CH(NHPh).CONH_2]$ =1.3	"	....	127–128	Bornemann	B., 17, 1471	**46**, 1163
Benzenyldimethylphenylenamidine	$C_6H_4.N : CPh.NMe_2.OH$	"	....	152	Hübner	A., 210, 357	**42**, 505
Phenylglycocintoluide	$NHPh.CH_2.CO.NH.C_6H_4Me$ =1.4	"	....	171–172	Meyer	B., 8, 1158	**29**, 372
Hydroxybenzylideneamidodimethanilide	$HO.C_6H_4.CH : N.C_6H_4.NMe_2$ =1.2 ; 1.4	"	....	134	Nuth	B., 18, 573	**48**, 784
Ditolylcarbamide	$CO(NH.C_6H_4Me)_2=(1.3)_2$	"	B., 13, 1090	217	Cosack	B., 12, 1450	**38**, 245, 713
"	" $=(1.2)_2$	"	B., 6, 444	243	Nevile and Winther	B., 12, 2325	
"	" "	"	....	250	Lachmann	B., 12, 1350	**36**, 935
"	" "	"	....	252 u.c.	Berger	B., 12, 1859	**38**, 245
"	" $=(1.4)_2$	"	....	255	Weith	B., 9, 821	**30**, 639
"	" "	"	....	256	Michler	B., 9, 714	
"	" "	"	....	*256*	Sarauw	B., 14, 2446	**42**, 507
"	" "	"	....	257	Will & Bielschowski	B., 15, 1310	
"	" "	"	....	263	Sell	A., 126, 161 (?)	
"	" = ?	"	....	250–260	Landgrebe	B., 10, 1591	**34**, 217
Phenylazopseudocumol	$Ph.N_2.C_6HMe_3.OH$=?.5.4.2.1	"	....	93	Nölting and Baumann	B., 18, 1149	
"	" "	"	....	93–94	Liebermann and Kostanecki	B., 17, 886	**46**, 1147
β-diamidobenzhydrol acetate	$CH(OAc) : C_{12}H_8(NH_2)_2$	$C_{15}H_{16}O_2N_2$	....	220	Staedel	A., 218, 339	**44**, 991
Ethoxybenzeneazocresol	$EtO.C_6H_4.N_2.C_6H_3Me.OH$ =1.4 ; ?.1.4	"	....	103–104	Liebermann and Kostanecki	B., 17, 883	**46**, 1147

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Cumylazoresorcinol	$C_6H_2Me_3.N_2.C_6H_3(OH)_2$ =1.3.4.6 ; ?.1.3	$C_{15}H_{16}O_2N_2$	....	*199*	Liebermann and Kostanecki	B., 17, 882	**46**, 1147
"	" "	"	....	200+d.	"	B., 17, 132	**46**, 736
?-acid	....	"	....	120 d.	Plöchl	B., 14, 1141	
Nitro-compound	fr. $Ph.N_2.NEt.C_6H_4Me$	$C_{15}H_{16}O_2N_4$	....	55	Nölting and Binder	B. S., 42, 340	**48**, 386
" "	"	"	....	104–105	"	"	"
Dianisyl carbamide	$CO(NH.C_6H_4.OMe)_2$=(1.2)$_2$	$C_{15}H_{16}O_3N_2$	....	174	Mülhäuser	B., 13, 922 ; A., 207, 245	**38**, 642 ; **42**, 302
" "	" =?	"	....	232–234 d.	Lossen	A., 175, 295	
" "	" =?	"	....	234	Pieschel	A., 175, 312	
Parvoline picrate	$C_9H_{13}N+C_6H_2(NO_2)_3.OH$	$C_{16}H_{16}O_7N_4$	....	149	Waage	M. C., 4, 708	**46**, 172
β-naphthimidoisobutyl ether	$C_{10}H_7.C(OBu^{\beta}):NH$	$C_{15}H_{17}ON$	....	38	Pinner and Klein	B., 11, 1486	**36**, 48
Ammonium nitrophenyl-β-anilidopropionate	$C_6H_4.NO_2.[CH(NHPh).CH_2.CO_2.NH_4]$=1.4	$C_{15}H_{17}O_4N_3$	....	150–156	Basler	B., 17, 1502	**46**, 1173
Paraxanthine	....	$C_{15}H_{17}O_4N_9$	....	a. 250	Solomon	B., 16, 197	**44**, 601
Diamidotolyl carbamide	$CO(NH.C_6H_3Me.NH_2)_2$ =(1.4.?)$_2$	$C_{15}H_{18}ON_4$	....	d.w.m.	Perkin	....	**37**, 700
Benzylammonium benzylcarbamate	$CH_2Ph.NH.CO_2.(NH_3.CH_2Ph)$	$C_{15}H_{18}O_2N_2$	....	99	Tiemann and Fridländer	B., 14, 1970	**42**, 56
Cinnamodiacetonamine	$CHPh:CH.CH.CH_2.CO.$ $CH_2.CMe_2.NH$	$C_{15}H_{19}ON$	$+\frac{1}{2}H_2O$	49	Antrick	A., 227, 365	**48**, 503
Benzoyltropeïne	....	$C_{15}H_{19}O_2N$	$+\frac{1}{3}H_2O$	37	Ladenburg	B., 13, 1083	**38**, 715
" (A., 217, 96)	....	"	$+2H_2O$	58	"	"	"
o-Hydroxylbenzoyltropeïne	....	$C_{15}H_{19}O_3N$	....	57–60	"	B., 13, 106	**38**, 410
" (A., 217, 89)	....	"	....	58	"	B., 13, 1083	
m- " (A., 217, 91)	....	"	....	226	"	B., 13, 1081	**38**, 714
p- " (A., 217, 93)	....	"	....	227	"	B., 13, 1082	"
p-Hydroxybenzaldiacetonamine oxalate	$HO.C_6H_4.CH.CH_2.CO.CH_2.$ $CMe_3.NH+C_2H_2O_4$	$C_{15}H_{19}O_6N$	....	193 d.	Antrick	A., 227, 365	**48**, 503
Gluco-coumaraldoxime	$C_6H_4(O.C_6H_{11}O_5)(CH:CH.CH:NOH)$=1.2	$C_{15}H_{19}O_7N$	....	230	Tiemann and Kees	B., 18, 1961	**48**, 1073
Lithuric acid	....	$C_{15}H_{19}O_9N$ (?)	....	204·5–205	Roster	A., 165, 107	
Cinnamylurethane	$Ph.CH:CH.CH(NH.CO_2Et)_2$	$C_{15}H_{20}O_4N_2$	....	135–143	Bischoff	B., 7, 1079	**28**, 146
Dinitrolaserpetin	$C_{15}H_{20}(NO_2)_2O_4$	$C_{15}H_{20}O_8N_2$	$+H_2O$	115	Kulz	A. P. [3], 21, 161	**46**, 183
Eserin (Physostigmin)	....	$C_{15}H_{21}O_2N_3$	....	45	Jobst and Hesse	A., 129, 115	
" "	....	"	d. 150	*69*	Vee	J. [1865], 457	
Benzoylhomoconiinic acid	$Ph.CO.C_8H_{16}O_2N$	$C_{16}H_{21}O_3N$	....	142–143	Schotten and Baum	B., 17, 2550	**48**, 176
Perezonoxime	see B., 18, 946	"	....	153–154	Mylius	B., 18, 938	**48**, 777
Ethylic pseudocumylizinacetacetate	$C_6H_2Me_3.N.NH.CMe.CH_2.$ CO_2Et=1.2.4.5	$C_{15}H_{22}O_2N$	....	77–78	Haller	B., 18, 707	**48**, 818
Benzylidenedipropylurethane	$Ph.CH(NH.CO_2Pr^{\alpha})_2$	$C_{15}H_{22}O_4N_2$	....	143	Bischoff	B., 7, 1082	**28**, 146
Ethylic toluylene diglycocine	$C_6H_3Me(NH.CH_2.CO_2Et)_2$	"	....	70	Zimmermann and Knyrin	B., 16, 516	**44**, 798
Methylcopellidine picrate	$C_8H_{16}MeN+C_6N_2(NO_2)_3.OH$	$C_{15}H_{22}O_7N_4$	....	112	Dürkopf	B., 18, 926	
n-Octylformanilide	$C_8H_{17}.C_6H_4.NH(CHO)$=1.4	$C_{15}H_{23}ON$	....	56	Beran	B., 18, 135	**48**, 523
Alantamide	$C_{14}H_{20}(OH).CO.NH_2$	$C_{15}H_{23}O_2N$	....	210 d.	Kallen	B., 9, 156	**29**, 918
Hydrosantonamide	....	$C_{15}H_{23}O_3N$	J. [1876], 620	190 d.	Cannizzaro	G. I., 6, 341	**31**, 471
?	....	$C_{15}H_{23}O_4N$	....	86	Kuckert	B., 18, 620	**48**, 750
Oxamethane cyanurate	$C_3O_3N_3H_3(NH_2.CO.CO_2Et)_3$	$C_{15}H_{24}O_{12}N_6$	....	155–160	Grimaux	B. S. [2], 21, 154	**28**, 564
Oxypentinamide	$C_{15}H_{15}O_5(NH_2)_5$	$C_{15}H_{25}O_5N_5$	....	203–204	Demarçay	A. C. [5], 20, 487	
Diisoamylcarbopyrrolamide	$C_4H_3(C_5H_{11})N.CO.NH$ (C_5H_{11})	$C_{15}H_{26}ON_2$	....	77	Bell	B., 10, 1866	**36**, 525
Isocetamide	$C_{14}H_{29}.CO.NH_2$	$C_{15}H_{31}ON$	....	67	Bouis	C. R., 39, 923	iii., 414
Tetranitropyrene	....	$C_{16}H_6O_8N_4$	....	a. 300	Græbe	A., 158, 293	**24**, 691 ; vii., 1028
Dinitrodiphenyldiacetylene....	$(.C:C.C_6H_4.NO_2)_2$=(1.2)$_2$	$C_{16}H_8O_4N_2$	....	212 d.	Baeyer	B., 15, 52	**42**, 619
Dinitropyrene	....	"	A., 158, 292	a. 240	Goldschmidt	M. C., 2, 581	**42**, 206
Dinitro-α-naphthylene-phenylene oxide	fr. $C_{10}H_6.O.C_6H_4$	$C_{16}H_8O_5N_2$	....	235	Arx	B., 13, 1727 ; A., 209, 145	**40**, 282

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrostilbenedicarbonic anhydride	....	$C_{16}H_8O_7N_2$	....	sf. 73	Reimer	B., 14, 1801	
?	....	$(C_{16}H_9ON_2)_n$	....	217	Zincké	B., 15, 286	
Nitrodiphenyldiacetylene	$Ph.(C:C)_2.C_6H_4.NO_2=1.2$	$C_{16}H_9O_2N$	....	154–155	Baeyer and Landsberg	B., 15, 58	42, 622
Cyanbenzylidenephthalide	$O.CO.C_6H_4.C:CPh.CN=1.2$	,,	....	164–165·5	Gabriel	B., 18, 1264	48, 902
Nitropyrene	....	,,	....	140–142	Græbe	A., 158, 292	24, 690; vii., 1027
,, ...	....	,,	...	*148–149*	Goldschmidt	M. C., 2, 580	42, 206
,, ...	....	,,	....	149–150·5	Fittig and Gebhard	B., 10, 2143	34, 432
Phenylnaphthylcarbazolequinone	$C_6H_4.NH.C_{10}H_4:O_2$	,,	....	307	Græbe and Knecht	A., 202, 13	38, 664
a-tetranitronaphthylphenylamine	$C_{10}H_3(NO_2)_4.NHPh$	$C_{16}H_9O_8N_5$	....	162·5	Merz and Weith	B., 15, 2717	44, 344
β- ,,	,,	,,	....	253	,,	B., 15, 2720	,,
Nitrosophenylnaphthylcarbazole	$C_6H_4.C_{10}H_6.N.NO$	$C_{16}H_{10}ON_2$	...	240	Græbe and Knecht	A., 202, 8	
?	....	$C_{16}H_{10}O_2N_2$	....	275	Zincké	B., 15, 285	
Nitroso-β-naphthoquinoneanilide	....	$C_{16}H_{10}O_3N_2$	....	245	,,	B., 15, 284	42, 735
Nitro-a-naphthoquinoneanilide	$NO_2.C_6H_4.NH.C_{10}H_6:O_2$ =1.3	$C_{16}H_{10}O_4N_2$	....	a. 270	Baltzer	B., 14, 1905	42, 205
,, -a- ,,	,, =1.4	,,	....	nf. 270	,,	B., 14, 1904	,,
,, -β- ,,	$C_{10}H_4(OH)(NO_2).O.NPh$	,,	....	246–248	Brauns	B., 17, 1134	46, 1038
,, -β- ,,	,,	,,	....	253	Korn	B., 17, 908	48, 1186
Azophenylglyoxylic acid	$N_2(C_6H_4.CO.CO_2H)_2=(1.3)_2$	$C_{16}H_{10}O_6N_2$	....	abt. 151	Thompson	B., 16, 1309	44, 998
,, ,, ...	,, ,,	,,	$+2H_2O$	134·5–135	,,	,,	,,
Dinitroethoxyanthraquinone	fr. $C_6H_4:(CO)_2:C_6H_3.OEt$ =2.1; 1.2.4	$C_{16}H_{10}O_7N_2$	....	158	Simon	B., 15, 694	42, 863
Azophthalic acid	$N_2[C_6H_3.(CO_2H)_2]_2=(?.2.1)_2$	$C_{16}H_{10}O_8N_2$	brown 220	230–250 d.	Claus and May	B., 14, 1331	42, 516
Picrate of β-benzoquinoline carboxylic acid	$N.CO_2H=a_1\beta_2$;	$C_{16}H_{10}O_9N_4$	....	216 d.	Riedel	B., 16, 1614	44, 1152
Fr. Phenanthraquinone +HCN	....	$C_{16}H_{11}ON$	....	241	Japp and Miller	B., 16, 2418	46, 329
Diphenylfumarimide	$CPh:CPh.CO.NH.CO$	$C_{16}H_{11}O_2N$	....	213	Reimer	B., 13, 746	40, 48
Fr. Benzylcyanide	$C_{14}H_{10}(CN).CO_2H$	,,	....	222	,,	B., 14, 1801	42, 170
Oxyquinonimide	see orig. paper	,,	....	173·5–174	Breuer and Zincké	B., 11, 1997	36, 328
a-naphthaquinoneanilide	....	,,	....	190–191	Plimpton	....	37, 635
a- ,,	$C_{10}H_6:(O_2):NPh$	,,	....	*190–191*	Zincké	B., 12, 1645	38, 49
a- ,,	$Ph.NH.C_{10}H_5:O_2$	,,	A., 211, 82	191	Liebermann	B., 14, 1666	
β- ,,	$C_{10}H_5(OH).O.NPh=a_1\beta_1a_a$;	,,	B., 15, 279	*240–250*	Zincké	B., 14, 1494	40, 915
β- ,,	,, ,,	,,	B., 15, 690	nf. 240	Liebermann and Jacobsen	A., 211, 75	42, 522
β- ,,	,, ,,	,,	sb.p.d.	a. 240	Liebermann	B., 14, 1314, 1665	
Bezoxyquinoline	$N.OBz=a_1$; a_1	,,	....	118–120	Bedall and Fischer	B., 14, 1367	
,, ...	,, $=a_1$; β_1	,,	....	86–88	Skraup	M. C., 3, 567	44, 94
,, ...	,, ,,	,,	....	*88–89 s.d.*	,,	,,	,,
,, ...	,, $=a_1$; β_2	,,	....	230–231	,,	M. C., 3, 556	,,
Benzoylhydroxyquinoline	$N.OH.Bz=a_1\beta_1\beta_2$;	,,	....	a. 270	Friedländer and Göhring	B., 16, 1839	44, 1149
Deoxyimidoisatin	....	$C_{16}H_{11}O_2N_3$	A., 194, 86	209–210 d.	Sommaruga	A., 190, 379	34, 507
Benzoylimidocoumarin	$C_6H_4.CH.NBz.CH.CO.O=1.2$	$C_{16}H_{11}O_3N$	....	170–171	Plöchl & Wolfrum	B., 18, 1185	48, 898
Hydroxy-a-naphthaquinoneanilide	$C_{10}H_4(OH)(NHPh):O_2$	,,	....	210	Plagemann	B., 16, 896	
Anilidojuglone	,, $=\beta_1$; $\beta_1a_1a_2$	,,	....	230	Mylius	B., 18, 473	48, 804
Acetamidoanthraquinone ...	$C_6H_4:(CO)_2:C_6H_3.NHAc$ =2.1; 1.2.3	,,	....	202	Roemer	B., 15, 1791	44, 72
,,	,, =2.1; 1.2.4	,,	....	257	Perger	B., 12, 1569	38, 49

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetamidoanthraquinone	$C_6H_4:(CO)_2:C_6H_3.NHAc$ $=2.1;\ 1.2.4$	$C_{16}H_{11}O_3N$	....	*263*	Liebermann and Bollert	B., 15, 229; A., 212, 61	
Amidoisatin	....	$C_{16}H_{11}O_3N_3$	....	250–252	Sommaruga	M. C., 1, 579	
Nitrobenzeneazo-α-naphthol	$NO_2.C_6H_4.N_2.C_{10}H_6.OH$ $=1.4;\ \alpha\alpha$	,,	....	a. Hg. therm.	Meldola	....	**47**, 662
,, -β- ,,	,, $=1.3;\ \alpha\beta$	,,	....	191–192	,,	....	**47**, 668
,, -β- ,,	,, $=1.4;\ \alpha\beta$	,,	....	249	,,	....	**47**, 662
Acetamido-m-hydroxyanthraquinone	see orig. paper	$C_{16}H_{11}O_4N$	....	170	Perger	J. p. [2], 18, 143	**36**, 254
,, -o- ,,	,,	,,	....	242	,,	J. p. [2], 18, 145	,,
Dinitrophenyl-α-naphthylamine	fr. $C_{10}H_7.NHPh$	$C_{16}H_{11}O_4N_3$	B., 13, 1853	77	Streiff	A., 209, 155	**40**, 176
,, -β- ,,	....	,,	....	192–195	,,	A., 209, 160	
Nitroethoxyanthraquinone	$C_6H_4:(CO)_2:C_6H_2.OEt.NO_2$ $=2.1;\ 1.2.5.6$	$C_{16}H_{11}O_5N$	....	243	Liebermann and Hagen	B., 15, 1796	**44**, 73
Trinitrobenzene naphthalene	$C_6H_3(NO_2)_3+C_{10}H_8$	$C_{16}H_{11}O_6N_3$	....	152	Hepp	A., 215, 377	**44**, 318
,, ,,	,,	,,	....	152–153	,,	B. S. [2], 30, 6	**36**, 51
Naphthalene trinitrophenol	$C_{10}H_8+C_6H_2.OH.(NO_2)_3$ $=1.3.4.6$	$C_{16}H_{11}O_7N_3$	....	72–73	Henriques	A., 215, 321	**44**, 328
,, ,,	,, $=1.2.3.6$	,,	....	100	,,	,,	,,
,, ,,	,, $=?$	,,	....	138	Zehenter	M. C., 6, 523	**48**, 1235
,, ,, (picrate)	,, $=1.2.4.6$	,,	....	149	,,	,,	
,, ,, ,,	,, ,,	,,	J. [1857], 456	149	Fritzsche	J. p. [1], 73, 212	iv., 405
,, ,, ,,	,, ,,	,,	....	149	Schultz	B., 9, 549	**30**, 197
,, ,, ,,	,, ,,	,,	J. [1879], 376	149	Goldschmidt and Schidt	W. A., 83, 7	**40**, 824
Dipyridyl picrate	$C_{10}H_8N_2.C_6H_2.OH.(NO_2)_2$	$C_{16}H_{11}O_7N_5$	....	149·5	Skraup and Vortmann	M. C., 3, 370	**44**, 88
Trinitroquinol+naphthalene	$C_6H(OH)_2(NO_2)_3+C_{10}H_8$	$C_{16}H_{11}O_8N_3$	....	159	Jacobsen	B., 15, 1863	
β-naphthol picrate	....	,,	B., 16, 796	155	Marchetti	G. I., 12, 502	**44**, 345
α- ,, ,, ...	....	,,	,,	189–190	,,	,,	,,
HNO_3 on strychnine....	....	$C_{16}H_{11}O_{15}N_4$?	....	a. 300 d.	Schiff	G. I., 8, 82	**34**, 679
Isoindileucine	Ph.CO.C : N.CPh.CH : NH	$C_{16}H_{12}ON_2$	....	191–192	Engler and Hassenkamp	B., 18, 2241	**48**, 1223
Nitrosophenyl-β-naphthylamine	$C_{10}H_7.N(NO).C_6H_6$	,,	....	93	Streiff	A., 209, 159	
β-naphthaquinonephenylhydrazine	$C_{10}H_6.O.NPh.NH=\beta_1\alpha_1$;	,,	....	138	Zincké	B., 16, 1564	**44**, 1135
β- ,,	,, ,,	,,	....	138	Zincké & Bindewald	B., 17, 3030	**48**, 392
α-naphtholazobenzene	$Ph.N_2.C_{10}H_6.OH=?\alpha$	,,	....	166	Typke	B., 10, 1581	
α- ,, ...	,, ,,	,,	....	175	,,	,,	
α- ,, ...	,, $=?\alpha$;	,,	....	193	Liebermann	B., 16, 2858	**46**, 610
α- ,, ...	,, $=\alpha_4\alpha_1$;	,,	....	206 d.	Zincké & Bindewald	B., 17, 3027	
β- ,, ...	,, $=\alpha_1\beta_1$;	,,	....	134	Liebermann	B., 16, 2860	**46**, 610
β- ,, ...	,, ,,	,,	....	134	Zincké & Bindewald	B., 17, 3032	
Fr. Benzil hydrocyanide	....	,,	....	196	Japp and Miller	B., 16, 2417	**46**, 329
Phenylfurfuraldehydine	$C_6H_4(N:C_6H_4O)_2$	$C_{16}H_{12}O_2N_2$	....	95–96	Ladenburg and Engelbrecht	B., 11, 1655	**36**, 235
Nitrophenyl-β-naphthylamine	....	,,	....	85	Streiff	A., 209, 160	
Hydroxynaphthaquinonehydrazine	$C_{10}H_5(OH)O.N_2HPh$	,,	....	230 d.	Zincké and Thelen	B., 17, 1810	**46**, 1360
Naphthaquinoneamidoanilide	$NH_2.C_6H_4.NH.C_{10}H_5O_2=1.4$	,,	....	175–177	Baltzer	B., 14, 1905	**42**, 205
Naphthaleneazoresorcinol	$C_{10}H_7.N_2.C_6H_3(OH)_2=?;\ ?.1.3$	,,	....	200	Wallach	B., 15, 28	**42**, 611
Isatindiamide	$(NH.C_6H_4.CO.CNH.)_2$	$C_{16}H_{12}O_2N_4$	....	111 d.	Sommaruga	A., 190, 374	**34**, 507
,, ...	,,	,,	A., 194, 86	a. 300 d.	,,	M. C., 1, 578	
$NH.C_{10}H_6.NH.N.C_6H_4.NO_2$ $=\alpha_1\beta_1;\ 1.3$	$C_{10}H_6:(NH)_2:N.C_6H_4.NO_2$ $=\alpha_1\beta_1;\ 1.3$	,,	....	177	Meldola	....	**45**, 116
,, $=\alpha_1\beta_1;\ 1.4$	,, $=\alpha_1\beta_1;\ 1.4$	,,	....	180	,,	....	,,
Nitrobenzeneazoamido-α-naphthalene	$NO_2.C_6H_4.N_2.C_{10}H_6.NH_2$ $=1.4;\ \alpha_1\beta_1$;	,,	....	180	,,	....	**43**, 430

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrobenzeneazoamido-α-naphthalene	$NO_2.C_6H_4.N_2.C_{10}H_6.NH_2$ $=1.3;\ a_1a_2;$	$C_{16}H_{12}O_2N_4$	....	202–203	Meldola	....	**45**, 114
„ -α- „	„ $=1.4;\ a_1a_2;$	„	....	252	„	....	**43**, 430
?	$C_6H_4.CO.N_2Ph:C.CH_2.CO_2.H$ $=1.2$	„	....	160 d.	Roser	B., 18, 803	**48**, 797
Dinitrobenzene-naphthalene	$C_{10}H_8+C_6H_4(NO_2)_2=1.3$	$C_{16}H_{12}O_4N_2$	....	52–53	Hepp	A., 215, 379	**44**, 318
„ „	„ $=1.4$	„	....	110–115	„	B. S. [2], 30, 6	**36**, 51
„ „	„ „	„	....	*118–119*	„	A., 215, 379	**44**, 318
Trinitroaniline-naphthalene	$C_{10}H_8+C_6H_2.NH.(NO_2)_3$ $=1.2.4.6$	$C_{16}H_{12}O_6N_4$	....	168–169	Liebermann and Palm	B., 8, 378	
β-napthylamine picrate	$C_{10}H_7.NH_2+C_6H_2.OH.(NO_2)_3$	$C_{16}H_{12}O_7N_4$	....	195	Liebermann	A., 183, 264	**31**, 607
β- „ „	„	„	....	195	Scheiding	B., 8, 1652	**29**, 713
Quinoline methopicrate	$C_9H_7N+C_6H_2.OMe.(NO_2)_3$	„	....	164	Ostermeyer	B., 18, 594, 599; C. C. [1884], 970	**48**, 672
„ „	„	„	....	164–165	Coste	B., 15, 193	
β-methylquinoline picrate	$C_{10}H_9N+C_6H_2.OH.(NO_2)_3$	„	....	187	Döbner and Miller	B., 18, 1642	
m-toluquinoline picrate	„	„	....	206–207	Skraup	M. C., 8, 381	**42**, 1216
Methylic β-dinitrodiphenate	fr. $(.C_6H_4.CO_2Me)_2=(1.2)_2$	$C_{16}H_{12}O_8N_2$	....	131–132	Schultz	A., 203, 111	**38**, 814
„ α- „	see orig. paper	„	....	177–178	„	„	„
Dinitro-α-dibenzyldicarboxylic acid	fr. $(.CH_2.C_6H_4.CO_2H)_2$	„	....	226	Reimer	B., 14, 1804	**42**, 200
„ -β- „ „	„	„	....	242	„	„	„
Nitropapaveric acid	....	$C_{16}H_{12}O_9N_2$	....	215	Goldschmidt	M. C., 6, 372	**48**, 1031
Flavenol	....	$C_{16}H_{13}ON$	B., 16, 69	238	Fischer & Rudolph	B., 15, 1502	**42**, 1067
Acetylanthramine	$C_6H_4:(CH)_2:C_6H_3.NHAc$	„	....	240	Liebermann	A., 212, 61	**42**, 860
„	„	„	....	240	Liebermann and Bollert	B., 15, 228	
Azophenol-α-naphthylamine	$HO.C_6H_4.N_2.C_{10}H_6.NH_2$ $=1.4$	$C_{16}H_{13}ON_3$	$+3\ H_2O$	170	Weselsky and Benedikt	B., 12, 229	
α-naphtholazoamidobenzene	$NH_2.C_6H_4.N_2.C_{10}H_6.OH$ $=1.4;\ aa$	„	....	Solid	Meldola	....	**47**, 662
β- „	„ $=1.4;\ a\beta$	„	....	Powder	„	....	**47**, 663
Benzylindolecarboxylic acid	....	$C_{16}H_{13}O_2N$	....	195	Antrick	A., 227, 360	**48**, 543
?	$C_6H_4.C_6H_4.C(CO_2H):C.$ $CH_2.NH_2$	„	....	183	Japp and Miller	B., 16, 2418	**46**, 329
Ethylnitrosoanthrone	$C_6H_4.CO.C_6H_4.CEt.NO$	„	....	135	Liebermann and Landshoff	B., 14, 475	**40**, 607
Nitrodiphenylpyrazene	$NO_2.C_6H_4.C_3N_2HMePh=1.4$	$C_{16}H_{13}O_2N_3$	....	Liquid	Knorr and Jödicke	B., 18, 2259	**48**, 1247
„	„ $=1.2$	„	285 (70)	95; 105	„	B., 18, 2261	**48**, 1248
α-benzamidocinnamic acid	$Ph.CH:C(NHBz).CO_2H$	$C_{16}H_{13}O_3N$	....	131	Plöchl	B., 17, 1618	**46**, 1348
Benzimidocinnamic acid	$Ph.CH.NBz.CH.CO_2H$	„	....	225	„	B., 16, 2816	**46**, 605
Ethylnitroanthrone	$C_6H_4.CO.C_6H_4.CEt:NO_2$	„	....	102	Liebermann and Landshoff	B., 14, 474	**40**, 607
Amidoethoxyanthraquinone	$C_6H_4:(CO)_2:C_6H_2.OEt.NH_2$ $=2.1;\ 1.2.5.6$	„	....	182	Liebermann and Hagen	B., 15, 1796	**44**, 73
Oxyamidohydroisatin	$C(OH):N.C_6H_4.C(NH_2):C$ $(OH).C_6.H_4N:C.OH$	$C_{16}H_{13}O_3N_3$	....	d.w.m. 187–190	Sommaruga	A., 194, 100	
Dihydroisatinamide	M. C., 1, 582	„	....	213	„	A., 194, 88	**36**, 63
Ethylanthracenehydride nitrite	$C_6H_4.C(O.NO)_2.C_6H_4.CEt.$ $O.NO$	$C_{16}H_{13}O_6N_3$	....	130 d.	Liebermann and Landshoff	B., 14, 473; A., 212, 1	**40**, 607; **42**, 862
Papaveric acid	....	$C_{16}H_{13}O_7N$	....	233	Goldschmidt	M. C., 6, 372	**48**, 1080
Trinitrobenzamidophenylurethane	$NO_2.C_6H_4.CO.NH.C_6H_2$ $(NO_2)_2.NH.CO_2Et$ $=1.?;\ 1.(?)_2.4$	$C_{16}H_{13}O_9N_5$	....	210	Hager	B., 17, 2628	**48**, 150
Hydroisoindileucine....	$Ph.CH(OH).C:N.CPh.$ $CH:NH$	$C_{16}H_{14}ON_2$	....	160	Engler and Hassenkamp	B., 18, 2243	**46**, 48
Methylisatintolylimide	$C_8H_4MeNO:N.C_6H_4Me$ $=1.4;\ 1.2$	„	....	191	Meyer	B., 16, 2268	„

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methylisatintolylimide	$C_8H_4MeNO:N.C_6H_4Me$ =1.4 ; 1.4	$C_{16}H_{14}ON_2$	....	259	Meyer	B., 16, 2264	46, 48
Lactimide of benzdiamido-hydrocinnamic acid	Ph.CH.CH(NHBz).CO.NH	$C_{16}H_{14}O\ N_2$	....	187	Plöchl	B., 17, 1617	46, 1348
Phenylaspartic phenylimide	$NHPh.C_2H_3:(CO)_2:NPh(?)$	„	....	263	Piutti	G. I., 14, 473	48, 796
Ethoxybenzenylazoximebenzenyl	$N:CPh.O.N:C.C_6H_4.OEt$ =1.3	„	....	71	Schöff	B., 18, 2476	48, 1217
Oxindole	see C_8H_7ON	„	....	120	Bedson	....	37, 93
Ethylic phenylenamidine-toluate	$NH.C_6H_4.N:C.C_6H_4.CO_2Et$ =1.2 ; 1.4	„	....	242–243	Brückner	A., 205, 121	40, 93
„ „	„ „	„	A., 210, 340	242–243	Stoddard	B., 11, 296	34, 504
NH_3 on isatin	....	$C_{16}H_{14}O_3N_6$	....	295–300	Sommaruga	A., 190, 367	34, 507
Benzoylform-γ-amide	$O_2:(CPh.CO.NH_2)_2$	$C_{16}H_{14}O_4N_2$	....	130	Claisen	B., 10, 1665	34, 151
„ „	„	„	....	*134–135*	„	B., 12, 634, 635	36, 649
Acetbenzamidonitrotoluene	$Me.NO_2.NBzAc$=1.2.4	„	....	160	Cunerth	A., 172, 221	28, 83
Azophenylacetic acid	$N_2(C_6H_4.CH_2.CO_2H)_2$=Mix.	„	B., 2, 210	138	Radziszewski	Z. C. [2], 5, 358	vi., 1102
„ „	„ $=(1.4)_2$	„	....	d. w. m. 300	Wittenberg	B. S., 43, 111	48, 661
β-Azotoluic acid	$N_2(C_6H_3Me.CO_2H)_2=(?1.4)_2$	„	....	182–184	Fittica	B., 7, 1358	28, 265
γ- „ „	„ „	„	....	w. m.	„	„	„
?	....	„	....	186	Brauns	B., 17, 1134	46, 1038
Azophenoxyacetic acid	$N_2(C_6H_4.O.CH_2.CO_2H)_2$=?	$C_{16}H_{14}O_6N_2$	....	151–152	Thate	J. p. [2], 25, 267	42, 849
„ „	„ $=(1.2)_2$	„	....	162	„	J. p. [2], 29, 145	46, 1171
Succindinitranilide	$(CH_2.CO.NH.C_6H_4.NO_2)_2$ $=(1.4)_2$	$C_{16}H_{14}O_6N_4$	....	260	Hübner	A., 209, 377	
Dinitrodiacetbenzidine	$(.C_6H_3.NHAc.NO_2)_2=(1.4.?)_2$	„	....	a. 300	Strakosch	B., 5, 237	
Azoxyphenoxyacetic acid	$ON_2(C_6H_4.O.CH_2.CO_2H)_2$ $=(1.2)_2$	$C_{16}H_{14}O_7N_2$	....	186–187	Thate	J. p. [2], 29, 145	46, 1170
Trinitrobenzmesidine	fr. $C_6H_2Me_3.NHBz$	$C_{16}H_{14}O_7N_4$	....	300	Schack	B., 10, 1711	
„	$Me_3.(NO_2)_2.(NH.CO.C_6H_4.NO_2)$=1.3.5.2.4.6 ; 1.3	„	....	307	„	„	34, 144
Dibenzylglycollic nitril	$(Ph.CH_2)C(OH).CN$	$C_{16}H_{15}ON$	....	113 ; sf. 110	Spiegel	B., 13, 2221	40, 174
α-naphthylamine phenate ...	$C_{10}H_7.NH_2+Ph.OH$	„	....	30·1	Dyson	....	43, 468
Aniline-β-naphthate....	$Ph.NH_2+C_{10}H_7.OH$	„	....	82·4	„	....	„
Benzoyltetrahydroquinoline	....	„	B., 13, 2400	75	Hoffmann & Königs	B., 16, 734	44, 1144
Acetophenoneacetanilide	$Ph.CO.CH_2.NAcPh$	$C_{16}H_{15}O_2N$	....	126–127	Möhlau	B., 15, 2470	44, 333
Phenyl-α-anilidocrotonic acid	$Ph.CH:CH.CH(NHPh).CO_2H$	„	....	154	Peine	B., 17, 2116	46, 1345
Nitroso-p-tolylamido-p-methyloxindole	....	$C_{16}H_{15}O_2N_3$	....	a. 220 d.	Duisberg	B., 18, 193	48, 544
Benzethylbenzhydroxyl-amine	Ph.CO.O.CPh.NO.Et	$C_{16}H_{15}O_3N$	B., 16, 874	48–49	Pieper	A., 217, 8	44, 461
α-Ethylic dibenzhydroxamate	....	„	....	58	Eiseler	A., 175, 326	28, 766
α- „ „	....	„	....	58	Gürke	A., 205, 280	40, 585
β- „ „	....	„	....	63	„	A., 205, 281	„
Benzylic hippurate	$NHBz.CH_2.CO_2.CH_2Ph$	„	289·9	85·5–86	Zanna & Guareschi	B., 14, 2242	
Diphenylsuccinamic acid	$NPh_2.CO.C_2H_4.CO_2H$	„	....	119	Piutti	G. I., 14, 351	48, 783
Acetylacetoxydiphenylamine	$C_6H_4.OAc.NPhAc$=1.4	„	....	120	Philip and Calm	B., 17, 2437	48, 156
Benzophenoneurethane	$C_6H_4Bz.(NH.CO_2Et)$=1.4	„	....	189	Döbner and Weiss	B., 14, 1839	42, 177
„	„ „	„	....	189	Döbner	A., 210, 273	42, 508
Methylic m-diazoamidobenzoic acid	$C_6H_4(CO_2Me).N_2.C_6H_3(NH_2).CO_2Me$	$C_{16}H_{15}O_4N_3$	....	160	Griess	A., 117, 12	iv., 294
Dianishydroxamic acid	$N(CO.C_6H_4.OMe)_2.OH=(1.4)_2$	$C_{16}H_{15}O_5N$	....	142–143	Lossen	A., 175, 287	28, 636
Nitrobenzonitromesidide	$Me_3.NO_2.(NH.CO.C_6H_4.NO_2)$ =1.3.5.2.4 ; 1.3	$C_{16}H_{15}O_5N_3$	....	207	Hübner	B., 10, 1711	34, 144
α-trinitroazoxyphenetoïl	....	$C_{16}H_{15}O_9N_5$	....	168	Andreae	J. p. [2], 21, 334	38, 467
β- „	....	„	....	187	„	„	„
Phenyl-α-anilidocrotonamide	$Ph.CH:CH.CH(NHPh).CONH_2$	$C_{16}H_{16}ON_2$	....	171	Peine	B., 17, 2116	46, 1345
p-tolylamido-p-methyloxindole	....	„	....	166–167	Duisberg	B., 18, 191	48, 544
Diacetylhydrazobenzene	Ph.NAc.NAc.Ph	$C_{16}H_{16}O_2N_2$	....	103	Schmidt & Schultz	B., 12, 485	36, 630
„ „	„	„	....	*105*	„	A., 207, 327	40, 909

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylphenylhydrazine-phenylglyoxylic acid	$N_2EtPh:CPh.CO_2H$	$C_{16}H_{16}O_2N_2$	....	109 d.	Elbers	A., 227, 340	**48**, 534
Ethidine dibenzamide (Hipparaffin)	$CH_3.CH(NHBz)_2$	„	....	185	Schwartz	W. A., 77, 62	**36**, 650
„ „ „	„	„	....	188	Nencki	B., 7, 159	**27**, 458
„ „ „	„	„	....	200	Schwarz	A., 75, 201	iii., 155
„ „ „	„	„	....	*204*	Hepp and Spiess	B., 9, 1425	**31**, 314
„ „ „	„	„	....	210	Maier	A., 127, 162	iii., 155
„ „ „	„	„	....	215	Schwarz	W. A., 77, 62	**36**, 650
Dibenzyloxamide	$(.CO.NH.CH_2Ph)_2$	„	....	216	Strakosch	B., 5, 694	vii., 182; **25**, 1026
Succinanilide	$(.CH_2.CO.NHPh)_2$	„	A., 68, 27	226·5–227	Menschutkin	A., 162, 187	**25**, 497; vii., 1183
Diacetdiamidodiphenyl	$(.C_6H_4.NHAc)_2$=1.2; 1.4	„	....	202	Schmidt & Schultz	B., 11, 1754	**36**, 252
„ „	„ „	„	....	202	„	B., 12, 489	**36**, 652
„ „ ...	„ „	„	....	202	Schultz and others	A., 207, 356	**40**, 912
„ „	„ „	„	....	a. 300	Strakosch	B., 5, 237	
„ „	„ $=(1.4)_2$	„	....	317	Schmidt & Schultz	B., 12, 489	**38**, 652
„ „	„ „	„	....	*317*	Schultz and others	A., 207, 332	
Ditolyloxamide	$(.CO.NH.C_6H_4Me)_2=(1.4)_2$	„	....	*263*	Hübner	A., 209, 371	**42**, 181
„ „	„ „	„	....	267–268	Bladin	B. S., 41, 125	**46**, 1141
„ „	„ „	„	300 (60)	269	Willm and Girard	B., 8, 1196	
Tolylazo-acetocresol	$C_6H_4Me.N_2.C_6H_3Me.OAc$ =1.4; ?.1.4	„	....	91	Nölting and Kohn	B., 17, 354	**46**, 901
Piperonylidene amidodimethaniline	$CH_2:O_2:C_6H_3.CH:N.C_6H_4.NMe_2$=4.3.1; 1.4	„	....	110	Nuth	B., 18, 575	**48**, 784
Betistenequinoxime	$HO.N:C.C_{14}H_{14}.C:N.OH$	„	....	128·5–129	Bamberger	B., 18, 82	**48**, 549
?	....	„	....	187	Gumpert	J. p. [2], 31, 119	**46**, 656
Diamidohydrindic acid	$C_{16}H_{10}N_2(OH)_2(NH_2)_2$	$C_{16}H_{16}O_2N_4$	v. $C_{16}H_{16}O_3N_4$	215–217	Sommaruga	A., 194, 96	**36**, 63
Ethylic diphenylallophanate	....	$C_{16}H_{16}O_3N_2$	....	98	Hofmann	B., 4, 247	**24**, 393; vii., 408
Diphenylmalamide	$NHPh.CO.CH_2.CH(OH).CO.NHPh$	„	....	175 p.d.	Arppe	A., 96, 107	iii., 797
Benzamidophenylurethane	$NHBz.C_6H_4.NH.CO_2Et$=1.4	„	....	230	Hager	B., 17, 2628	**46**, 150
p-Toluylnitroxylide	$NO_2.C_6H_2Me_2.NH.CO.C_6H_4Me$	„	....	187	Hübner	A., 210, 333	**42**, 504
p- „ „	„ „	„	....	187	Brückner	A., 205, 125	**40**, 94
Benznitromesidine	$Me_3.NHBz.NO_2$=1.3.5.2.4	„	....	168·5	Hübner & Schack	B., 10, 1711	**34**, 144
Nitrobenzmesidine	$Me_3.(NH.CO.C_6H_4.NO_2)$ =1.3.5.6; 1.3	„	....	205	„	„	„
Diamidohydrindic acid	$C_{16}H_{10}N_2(OH)_2(NH_2)_2$	$C_{16}H_{16}O_3N_4$	v. $C_{16}H_{16}O_2N_4$	215–217 d.	Sommaruga	A., 194, 96	**36**, 63
Azoxyacetanilide	$O:N_2(C_6H_4.NHAc)_2=(1.4)_2$	„	....	275–278	Mixter	A. C. J., 5, 1	**46**, 301
Glycolphenylcarbamate	$C_2H_4(O.CO.NHPh)_2$	$C_{16}H_{16}O_4N_2$	....	157·5	Snape	....	**47**, 773
Tataranilide	$[.CH(OH).CO.NHPh]_2$	„	....	a. 225	Arppe	A., 96, 106	iii., 798
„	„	„	....	250 d.	„	A., 93, 353	
Diphenyltartaramide	$[.CPh(OH).CO.NH_2]_2$	„	brown 150	230 sf. b. 230	Burton	B., 16, 2232	**46**, 63
Ethylenedibenzamic acid	$C_2H_4(NH.C_6H_4.CO_2H)_2=(1.3)_2$	„	....	222–225	Schiff and Parenti	A., 226, 243	**48**, 266
Diamido-β-dibenzyldicarboxylic acid	....	„	....	280	Reimer	B., 14, 1802	**42**, 170
Dinitroazophenetoïl	$N_2(C_6H_3.OEt.NO_2)_2=(1.2.?)_2$	$C_{16}H_{16}O_6N_4$	....	190	Andreae	J. p. [2], 21, 322	**38**, 466
p- „ „	„ =?	„	....	284–285	„	J. p. [2], 21, 323	„
Tetrahydroquinoline methopicrate	$C_9H_{11}N+C_6H_2.OMe.(NO_2)_3$	$C_{16}H_{16}O_7N_4$	....	125	Ostermeyer	B., 18, 596	
α-+β-dinitro-p-xylene	$2[C_6H_2Me_2(NO_2)_2]$	$C_{16}H_{16}O_8N_4$	....	99–99·5	Jannasch and Stünkel	B., 14, 1146	**40**, 808
Acetophenoneethylanilide	$Ph.NEt.CH_2.CO.Ph$	$C_{16}H_{17}ON$	....	94–95	Waller	B., 16, 26	**44**, 582
Benzamidopropylbenzene	$C_6H_4.Pr^{\alpha}.NHBz$=1.4	„	....	115	Louis	B., 16, 108	
Benzamidoisopropylbenzene	$C_6H_4.Pr^{\beta}.NHBz$=1.4	„	....	114–115	„	B., 16, 113	
Acetylditolylamine	$NAc(C_6H_4Me)_2=(1.3)_2$	„	324 (300)	43	Cosack	B., 13, 1092	**38**, 714
„	„ $=(1.4)_2$	„	....	85	Gerber	B., 6, 446	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzoyldimethamidotoluene	Me.NMe$_2$.Bz=1.2.?	$C_{16}H_{17}ON$	350–360	67	Fischer	A., 206, 91	**40**, 587
p-toluylxylide	$C_6H_3Me_2$.NH.CO.C_6H_4Me	„	....	139	Hübner	A., 210, 332	**42**, 504
p- „	„	„	....	139	Brückner	A., 205, 124	
Benzomesidide	Me$_3$.NHBz=1.3.5.6	„	....	204	Hübner and Schack	B., 10, 1711	
Benzoylpseudocumidine	Me$_3$.Bz.NH$_2$=1.3.4.?.6	„	....	130	Fröhlich	B., 17, 1805	**48**, 1319
o-Hydroxyhydranthranol-ethylamide	$C_{14}H_{10}$(OH).NHEt	„	....	162	Liebermann & Giesel	B., 10, 610	
„	„	„	....	172	Liebermann	A., 212, 18	**42**, 856
Acetamidoazotoluene	C_6H_4Me.N$_2$.C_6H_3Me.NHAc =1.3 ; 1.3.6	$C_{16}H_{17}ON_3$	....	157	Nölting and Witt	B., 17, 80	**46**, 742
„	„ =1.2 ; 1.3.4	„	....	185	Schultz	B., 17, 470	
Ethylic phenylanilidoacetate	Ph.CH(NHPh).CO$_2$Et	$C_{16}H_{17}O_2N$	....	83–84	Stöckenius	J. [1878], 780	
Dibenzylglycollamide	(Ph.CH$_2$)$_2$.C(OH).CO.NH$_2$	„	....	192–193	Spiegel	B., 14, 1688	**40**, 1036
Ethylic diphenylglycocine	Ph.C_6H_4.NH.CH$_2$.CO$_2$Et =1.4	„	....	95	Zimmermann	B., 13, 1967	**40**, 176
Ethylic phenyllutidinecarboxylate	C_5NHPhMe$_2$.CO$_2$Et	„	316–320	Liquid	Hantzsch	B., 17, 2912	**48**, 397
Diglycollanilide	NH(CH$_2$.CO.NHPh)$_2$	$C_{16}H_{17}O_2N_3$	....	140·5	Meyer	B., 8, 1155	**29**, 372
Diacetdiamidodiphenylamine	NH(C_6H_4.NHAc)$_2$=?	„	....	203 u.c.	Nietzki and Witt	B., 12, 1403	
„	„ =(1.4)$_2$	„	....	239	Nietzki	B., 11, 1099	**34**, 792
Hydroxythymoquinoneanilide	Me.Pr^α.OH.NHPh : O$_2$ =1.4.(?)$_4$	$C_{16}H_{17}O_3N$	....	134–135	Schulz	B., 16, 902	
Nitrobenzylidenedimethtoluylenamidine	....	$C_{16}H_{17}O_3N_3$	....	165	Hübner	A., 210, 371	
Imidodiethylenenitrophenyl ether	NH(C_2H_4.O.C_6H_4.NO$_2$)$_2$ =(1.2)$_2$	$C_{16}H_{17}O_6N_3$	....	191–192	Weddige	J. p. [2], 24, 248	
Diethoxydinitrodiphenylamine	(OEt)$_2$.(NO$_2$)$_2$.NHPh =1.4.(?)$_3$	„	....	133	Nietzki	A., 215, 157	**44**, 466
Benzylidenedimethyltoluylenamidine	....	$C_{16}H_{18}ON_2$	....	144	Hübner	A., 210, 370	
Tolylglycocinetoluidide	C_6H_4Me.NH.CH$_2$.CO.NH. C_6H_4Me=(1.2)$_2$	„	....	91–92	Ehrlich	B., 16, 205	**44**, 594
„	„ =(1.4)$_2$	„	....	136	Meyer	B., 8, 1161	**29**, 402
Methoxybenzylideneamidodimethaniline	MeO.C_6H_4.CH : N.C_6H_4. NMe$_2$=(1.4)$_2$	„	....	139	Nuth	B., 18, 574	**48**, 784
Acetyltolidine	NH$_2$.C_6H_3Me.C_6H_3Me. NHAc=1.2.? ; ?.2.1	„	....	306 ; 315 c.	Schultz	B., 17, 468	
Phenylazocarvacrol	Ph.N$_2$.C_6H_2MePr.OH =5.1.4 2	„	....	80–85	Mazzara	G. I., 15, 214	**48**, 1132
Phenylazothymol	„ =? 1.4.3	„	....	85–90	Mazzara & Possettò	G. I., 15, 52	**48**, 894
Paricine	J. [1852], 536 ; [1879], 793	„	....	116	Hesse	A., 166, 263	**vii.**, 347
Acetamidobenzeneazodimethaniline	NHAc.C_6H_4.N$_2$.C_6H_4.NMe$_2$ =(1.4)$_2$	$C_{16}H_{18}ON_4$	....	217	Meldola	....	**45**, 108
Azophenetoïl	N$_2$(C_6H_4.OEt)$_2$=(1.3)$_2$	$C_{16}H_{18}O_2N_2$	....	91	Buchstab	J. p. [2], 29, 299	**46**, 1148
„ (B., 10, 1653)	„ =(1.2)$_2$	„	240	131	Schmitt & Möhlau	J. p. [2], 18, 200	
„	„ =(1.4)$_2$	„	....	157	Hepp	B., 10, 1653	**34**, 59
„ (J. p. [2], 19, 313 ; 21, 320, 333)	„ „	„	....	160	Schmitt & Möhlau	J. p. [2], 18, 199	
Ditoluidoacetic acid	(C_6H_4Me.NH)$_2$.CH.CO$_2$H =(1.2)$_2$	„	....	239–240	Meyer	B., 16, 925	
Azoxyphenetoïl	O : N$_2$(C_6H_4.OEt)$_2$	$C_{16}H_{18}O_3N_2$	....	102	Schmitt & Möhlau	J. p. [2], 18, 200	**36**, 317
Phenylammonium phenylamidodiglycollate	CO$_2$H.CH$_2$.NPh.CH$_2$.CO$_2$. NH$_3$Ph	$C_{16}H_{18}O_4N_2$	....	99	Meyer	B., 14, 1326	**42**, 519
Azodimethylquinol	N$_2$[C_6H_3(OMe)$_2$]$_2$=(?.1.4)$_2$	„	....	140	Baessler	B., 17, 2124	**46**, 1330
From Brucine	....	„	B., 17, 2849	263–264 (?)	Hanssen	B., 18, 778	**48**, 819
Oxidation of brucine and strychnine	....	„	d. 290–291	*285*	„	B., 18, 1917	
Dinitrotetramethylbenzidine	fr. (.C_6H_4.NMe$_2$)$_2$=(1.4)$_2$	$C_{16}H_{18}O_4N_4$	....	188	Michler & Pattinson	B., 14, 2164	
Ethyleneditoluylenenitramine	(NO$_2$.C_6H_3Me.NH)$_2$$C_2H_4$ =(1.3.6)$_2$	„	....	195	Guttermann and Hager	B., 17, 779	**46**, 1142

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Imidodiethylene-o-nitrophenyl ether	....	$C_{16}H_{18}O_6N_4$	....	191–192	Weddige	J. p. [2], 24, 241	**40**, 1138
Dinitrohydrazophenetoïl ...	$(.NH.C_6H_3.OEt.NO_2)_2 =(?.1.2)_2$	„	....	201–202	Andreae	J. p. [2], 21, 325	**38**, 466
Ethylethoxydiphenylamine	$C_6H_4.OEt.NPhEt=1.4$	$C_{16}H_{19}ON$	318–320	Liquid	Philip and Calm	B., 17, 2434	**48**, 155
Isobutoxydiphenylamine ...	$C_6H_4.OBu^{\beta}.NHPh=1.4$	„	....	68	„	B., 17, 2435	**48**, 156
Dianisamine	$NH(CH_2.C_6H_4.OMe)_2$	$C_{16}H_{19}O_2N$	A., 117, 240	32–33	Cannizzaro	C. R., 50, 1100	**i.**, 297
Camphoranil	....	„	....	116	Laurent & Gerhardt	A., 68, 36	
?-acid	....	$C_{16}H_{19}O_4N$	....	70–75	....	A., 134, 324	
Benzoylecgonine	$C_9H_{14}BzO_3N$	„	....	*188·5–189*	Merck	B., 18, 1594	**48**, 997
„	„	„	....	192 (?)	Skraup	M. C., 6, 556	**48**, 1249
„	„	„	$+4H_2O$	90–92	„	„	„
Cyanethine carbanilide ...	$C_9H_{13}N_2.NH.CO.NHPh$	$C_{16}H_{20}ON_4$	....	184	Meyer	J. p. [2], 30, 115	**48**, 140
Dioxydimethaniline	$(.O.C_6H_4.NMe_2)_2$	$C_{16}H_{20}O_2N_2$	....	90·4	Hanimann and Hanhart	B., 12, 681	**36**, 714
Hydrazophenetoïl	$(.NH.C_6H_4.OEt)_2=(1.2)_2$	„	....	89	Schmitt & Möhlau	J. p. [2], 118, 203	
„	„ $=(1.3)_2$	„	....	91	Buchstab	J. p. [2], 29, 299	**46**, 1148
Diamidodiphenetoïl	$(.C_6H_3.OEt.NH_2)_2=?.1.2$	„	....	117	Möhlau	J. p. [2], 19, 383	
Imidodiethylenephenyl ether nitrate	....	$C_{16}H_{26}O_4N_2$	....	197	Weddige	J. p. [2], 24, 241	**40**, 1137
Tetramethoxydiamidodiphenyl	$[.C_6H_2(OMe)_2.NH_2]_2=(1.4.?)_2$	„	....	210	Baessler	B., 17, 2127	**46**, 1330
Homatropine (Oxytoluyltropeïn)	....	$C_{16}H_{21}O_3N$	A., 217, 82	95·5–98·5	Ladenburg	B., 13, 107, 1086, 1340	**38**, 815
Conilinephthamic acid	$C_8H_{16}:N.CO.C_6H_4.CO_2H=1.2$	„	....	115	Piutti	G. I., 13, 542	**46**, 453
Hydroxybenzyluric acid	....	$C_{16}H_{21}O_5N$	....	60–70	Otto	A., 134, 324	**vi.**, 722
Glucocoumarylmethylketoxime	$C_6H_4(O.C_6H_{11}O_5)(CH:CH.CMe:NOH)=1.2$	$C_{16}H_{21}O_7N$	...	173	Tiemann and Kees	B., 18, 1966	**48**, 1074
Diethoxybenzidine	$(.C_6H_3.NH_2.OEt)_2=(1.4.2)_2$	$C_{16}H_{22}O_2N_2$	....	117	Möhlau	J. p. [2], 19, 381	**36**, 939
Ethylic phenylizinacetosuccinate	....	$C_{16}H_{22}O_4N_2$	....	80	Knorr and Blank	B., 17, 2051	**46**, 1380
Methamidoperezone	$C_9H_{17}.C_6H(OH)(NHMe):O_2$	$C_{16}H_{23}O_3N$	....	112–114	Mylius	B., 18, 940	**48**, 778
Oxyacanthine	B. J., 17, 267	$C_{16}H_{23}O_6N$	B., 15, 2745	139	Wacker	J. [1861], 545	
Base	....	$C_{16}H_{24}O_2N_2$	....	165–170	Bell	B., 11, 1812	
Acetyldiisobutylaniline ...	$C_6H_4Bu^{\beta}.NAcBu^{\beta}$	$C_{16}H_{25}ON$	a. 300	73–74	Studer	B., 14, 1473, 2187; A., 211, 241	**40**, 898
Acetamido-n-octylbenzene	$C_8H_{17}.C_6H_4.NHAc=1.4$	„	....	93	Beran	B., 18, 135	**48**, 523
Imidocaprylamide	$C_6H_{13}.CH.NH.CH(C_6H_{13}).$ CO.NH.CO	$C_{16}H_{30}O_2N_2$	....	79·5	Eylenmeyer and Sigel	A., 177, 111	**28**, 1018
Imidocaprylic acid	$NH[CH(C_6H_{13}).CO_2H]_2$	$C_{16}H_{31}O_4N$	....	210–215 d.	„	A., 177, 136	**28**, 1017
Heptyl-n-octoyl carbamide....	$C_7H_{15}.NH.CO.NH.C_8H_{16}O$	$C_{16}H_{32}O_2N_2$	....	86	Hofmann	B., 15, 760	**42**, 1053
Palmitamide	$C_{15}H_{31}.CO.NH_2$	$C_{16}H_{33}ON$	....	101·5	Carlet	B. S. [1], 1, 175	**iv.**, 330
„	„	„	....	106–107	Krafft and Stauffer	B., 15, 1730	42, 1274
Cetylic nitrate (nitroethal)	....	$C_{16}H_{33}O_3N$	....	s. 10–12	Champion	C. R., 73, 571	**24**, 1036; **vii.**, 861
Triisoamylcarbamide ...	$C_5H_{11}.NH.CO.N(C_5H_{11})_2$	$C_{16}H_{34}ON_2$	260	Liquid	Custer	B., 12, 1331	**36**, 913
Anthraquinolinequinone	$C_6H_4:(CO)_2:C_6H_2.CH:CH.$ CH:N	$C_{17}H_9O_2N$	....	185	Græbe	A., 201, 350	
Quinophthalone	....	„	subl.	235 u.c.	Traube	B., 15, 298	**44**, 668
Alizarin blue (B., 11, 1371; 15, 1783)	$C_6H_4:(CO)_2:C_6H(OH)_2.N:CH.CH:CH_2=2.1$; 1.2.3.4.6	$C_{17}H_9O_4N$	....	270	Græbe	A., 201, 336	
„ „	B. S., 28, 62; J. [1878], 1192	„	....	268–270	Auerbach	....	**35**, 801
„ „ (amide) ...	....	$C_{17}H_{10}O_3N_2$	....	255	Græbe	A., 201, 343	
Benzenyl-β-amido-α-naphthol	$C_{10}H_6.O.CPh:N=\alpha_1\ \beta_1$;	$C_{17}H_{11}ON$	....	122	Worms	B., 15, 1816	**44**, 69
„ -α- -β- „	„ $=\beta_1\ \alpha_1$;	„	....	120	„	B., 15, 1817	„
„ -α- -β- „	„ „	„	....	*136*	Böttcher	B., 16, 1936; C.C. [1884], 898	**44**, 1113; **48**, 659
α-nitroso-β-benzoxynaphthalene	$C_{10}H_6(NO).OBz=\alpha_1\ \beta_1$;	$C_{17}H_{11}O_3N$	....	114	Worms	B., 15, 1817	**44**, 69

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-nitroso-α-benzoxynapthalene	$C_{10}H_6(NO).OBz=\beta_1\alpha_1$;	$C_{17}H_{11}O_3N$	....	d. 140–150	Fuchs	B., 8, 1022	**29**, 247
β- ,, -α- ,,	,, ,,	,,	....	162	Worms	B., 15, 1816	**44**, 69
α-nitro-β-benzoxynaphthalene	$C_{10}H_6(NO_2).OBz=\alpha\beta$	$C_{17}H_{11}O_4N$	....	142	Böttcher	B., 16, 1935 ; C. C. [1884], 898	**44**, 1113 ; **48**, 659
Benzamidodinitronaphthalene	$C_{10}H_5(NO_2)_2.NHBz=(?)_2\alpha$	$C_{17}H_{11}O_6N_3$	....	252	Ebell	A., 208, 329 ; B., 8, 564	**28**, 900 ; **40**, 1132
Fr. β-naphthaquinone-p-toluide	$C_{17}H_{11}(NH)NO_2$	$C_{17}H_{12}O_2N_2$	....	260–265	Zincké	B., 15, 287	**42**, 735
β-benzamidonitronaphthalene	$C_{10}H_6(NO_2).NHBz=\beta_1\alpha_1$;	$C_{17}H_{12}O_3N_2$	....	*174–176*	Ebell and Hübner	B., 7, 1318; 8, 562; A., 208, 327	**28**, 272, 900 ; **40**, 1132
β- ,,	,, ,,	,,	....	174	Worms	B., 15, 1815	**44**, 69
β- ,,	,, ,,	,,	....	175	Lellmann	B., 17, 109	**46**, 751
α- ,,	,, $=\alpha_1\alpha_2$;	,,	....	224	Ebell and Hübner	B., 7, 1318; 8, 563; A., 208, 325	**28**, 272, 900 ; **40**, 1132
α- ,,	,, ,,	,,	....	224	Worms	B., 15, 1814	
α- ,,	,, ,,	,,	....	224	Lellmann	B., 17, 110	**46**, 751
β-naphthol-m-azobenzoic acid	$HO.C_{10}H_6.N_2.C_6H_4.CO_2H$	,,	....	235	Griess	B., 14, 2035	**42**, 49
Fr. β-naphthaquinone-p-toluide	$C_{17}H_{12}(NO)NO_2$	,,	....	240–245	Zincké	B., 15, 287	**42**, 735
Methylisatoïd	v. B., 15, 2100	$C_{17}H_{12}O_4N_2$	....	219 d.	Baeyer and Æconimides	B., 15, 2094	**44**, 201
Nitro-β-naphthaquinone-o-toluide	$C_{10}H_4(NO_2)(OH).O.NC_6H_4Me$	,,	....	240	Brauns	B., 17, 1136	**46**, 1038
,, ,, -p- ,,	,,	,,	....	241	,,	B., 17, 1136	,,
Nitrodicinnamylketone	$CO(CH:CH.C_6H_4.NO_2)_2=(1.4)_2$	$C_{17}H_{12}O_5N_2$	....	254	Baeyer and Becker	B., 16, 1970	**44**, 1120
m-Phenylpyridine picrate	$C_6H_4PhN+C_6H_2(NO_2)_3.OH$	$C_{17}H_{12}O_7N_4$	...	161–163·5	Skraup & Cobenzl	M. C., 4, 436	**44**, 1013
o- ,, ,, ...	,,	,,	....	169–172	,,	,,	**44**, 1015
p- ,, ,, ...	,,	,,	d. a. 220	195–196	Hantzsch	B., 17, 1519	**46**, 1194
Benzamidonaphthalene	$C_{10}H_7.NHBz=\alpha$	$C_{17}H_{13}ON$	....	*156*	Ebell and Hübner	A., 208, 324 ; B., 7, 1318	**28**, 272
,, ...	,, ,,	,,	....	?	Church	C. N., 5, 324	
,, ...	,, ,,	,,	....	156	Worms	B., 15, 1814	
,, ...	,, ,,	,,	....	161–162	Kühn	B., 18, 1477	
,, ...	,, $=\beta$	,,	....	141–143	Cosiner	B., 14, 59	**40**, 606
,, ...	,, ,,	,,	....	*157*	Klopsch	B., 18, 1585	**48**, 990
α-naphthoic anilide	$C_{10}H_7(CO.NHPh)=\alpha$	,,	....	160	Hofmann	B., 1, 42	
,, ,, ...	,, ,,	,,	....	160	Bössneck	B., 15, 3065	
β- ,, ,, ...	,, $=\beta$	,,	....	170 or 190	Vieth	A., 180, 323	**30**, 87
β-naphtholadehydeanilide	$HO.C_{10}H_6.CH:NPh$	,,	....	90	Rousseau	A. C. [5], 28, 145	**46**, 180
Phenylquinaldylketone	$N.Me.Bz=\alpha_1\beta_1$; α_1	,,	....	107–108	Geigy and Königs	B., 18, 2406	**48**, 1236
o-amidodiphenylmethylpyrazonecarboxylic anhydride	....	$C_{17}H_{13}ON_3$	....	261	Knorr and Blank	B., 18, 2262	**48**, 1248
Oxyquinonemethylimide	$C_{16}H_9(OH).O.NMe$	$C_{17}H_{13}O_2N$	....	170	Breuer and Zincké	B., 13, 631	**38**, 665
α-naphthylic phenylcarbamate	$NHPh.CO_2.C_{10}H_7$	,,	....	177	Leuckart & Schmidt	B., 18, 2340	**48**, 1224
α- ,, ,,	,,	,,	....	*178·5*	Snape	....	**47**, 776
β- ,, ,,	,,	,,	....	155	,,	....	,,
β- ,, ,,	,,	,,	....	*230*	Leuckart & Schmidt	B., 18, 2340	**48**, 1224
Benzoxynitrosonaphthalene	$C_{10}H_6.NO.OBz=\alpha\beta$	,,	....	98	Böttcher	B., 16, 634	
Benzamidonaphthol	$C_{10}H_6.OH.NHBz=\alpha\beta(?)$	,,	....	158	Ebell	A., 208, 332	
,, ...	,, $=\beta\alpha$	,,	....	245	Böttcher	B., 16, 1936 ; C. C. [1884], 898	**44**, 1113 ; **48**, 659
Methylnaphthaquinoneanilide	$Ph.NMe.C_{10}H_5:O_2$	,,	....	150–151	Zincké	B., 15, 282	**42**, 735
α-Naphthaquinone toluide	$C_6H_4Me.NH.C_{10}H_5:O_2=1.2$	,,	....	*140–142*	Elsbach	B., 15, 689	**42**, 853
α- ,, ,, ...	,, ,,	,,	....	190–195(?)	,,	,,	,,

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-naphthaquinone toluide	$C_6H_4Me.NH.C_{10}H_5:O_2$=1.4	$C_{17}H_{13}O_2N$	....	200	Plimpton	....	**37**, 639
α- " "	" "	"	....	200	Zincké	B., 12, 1646	**38**, 49
α- " "	" "	"	....	202–203	Elsbach	B., 15, 687, 688	
β- " "	" =1.2	"	...	240	"	B., 15, 287, 689	
β- " "	" =1.4	"	B., 15, 1969	246	"	B., 15, 287, 686	
Quinolinebenzylbetaïne	$C_8H_4.CH.C:CH.N(CH_2Ph).O.CO$=1.2	"	....	83–84; r.s. 110; af. 190 d.	Claus and Muchall	B., 18, 364	**48**, 561
Benzylquinolinecarboxylic acid	$N(CH_2Ph).CO_2H=\alpha_1\beta_2$;	"	....	218	Claus	B., 18, 1310	**48**, 908
Acetamidomethylanthraquinone	$C_6H_4:(CO)_2:C_6H_2Me.NHAc$ =2:1; 1.2.4.5	$C_{17}H_{13}O_3N$	....	176–177	Römer and Link	B., 16, 699	**44**, 1139
Ethylic phthalamidobenzoate	$C_6H_4:(CO)_2:N.C_6H_4.CO_2Et$ =1.2; 1.3	$C_{17}H_{13}O_4N$	....	152	Pellizzari	B., 18, 216	**48**, 534
Nitrodiphenylmethylpyrazene carboxylic acid	$NO_2.C_6H_4.C_3N_2MePh.CO_2H$ =1.4	$C_{17}H_{13}O_4N_3$	....	202	Knorr and Jödicke	B., 18, 2258	**48**, 1247
" "	" =1.2	"	....	218	"	B., 18, 2260	"
Dinitromesitylphthalimide	$C_6H_4:(CO)_2:N.C_6Me_3(NO_2)_2$ =1.2; 2:1.3.5.4.6	$C_{17}H_{13}O_6N_3$	....	242	Eisenberg	B., 15, 1018	**42**, 956
γ-trinitrotoluene naphthalene	$C_{10}H_8.C_6H_2Me(NO_2)_3$	"	....	88–89	Hepp	A., 215, 378	**44**, 318
α- " "	"	"	....	97–98	"	"	"
β- " "	"	"	....	100	"	"	"
Trinitrocresol naphthalene	$C_{10}H_8+C_6HMe.OH.(NO_2)_3$ =1.2.4.(?)$_2$	$C_{17}H_{13}O_7N_3$	....	106	Nölting and Collin	B., 17, 271	**46**, 1007
" "	" =1.3.2.4.6	"	....	126–127	Kostanecki and Niemetowski	B., 18, 252	**48**, 531
" "	" "	"	....	126–127	Nölting and Salis	B., 15, 1862	**44**, 59
β-methylnaphthalene picrate	$C_{10}H_7Me+C_6H_2.OH.(NO_2)_3$	"	....	115	Schulze	B., 17, 844	**46**, 1184
α- " "	"	"	....	116	"	B., 17, 845	"
?- " "	"	"	....	116–117	Ciamician	B., 11, 272	**34**, 439; **40**, 824
?- " "	"	"	....	118·2 c.	"	W. A., 82, 346	**40**, 247
?- " "	"	"	....	119	Goldschmidt and Schidt	W. A., 83, 7	**40**, 824
Trinotroorcinolnaphthalene	$C_{10}H_8.C_6Me(OH)_2(NO_2)_3$	$C_{17}H_{13}O_8N_3$	....	120	Nölting and Salis	B., 15, 1863	
Phenylmethylhydroxypyrimidine picrate	$C_{11}H_{10}ON_2.C_6H_2.OH.(NO_2)_3$	$C_{17}H_{13}O_8N_5$	....	189	Pinner	B., 18, 761	**48**, 752
Methylisoindileucine	$C_{16}H_{11}MeON_2$	$C_{17}H_{14}ON_2$	....	115	Engler and Hassenkamp	B., 18, 2243	**48**, 1223
Benzeneazomethoxynaphthalene	$Ph.N_2.C_{10}H_6.OMe=\alpha_2\alpha_1$;	"	....	83	Zincké and Bindewald	B., 17, 3028	
Benzdiamidonaphthalene	$C_{10}H_6.NH_2.NHBz=\alpha_1\alpha_2$;	"	B., 7, 245	186	Ebell and Hübner	B., 7, 1318; A., 208, 326	**28**, 272; **40**, 1132
"	"	"	....	186	Lellmann	B., 17, 110	
Tolufurfuraldehydine	....	$C_{17}H_{14}O_2N_2$	....	115–116	Ladenburg	B., 11, 595	**34**, 572
"	....	"	....	128·5	"	B., 11, 1658	**36**, 234
Difurfuro-m-diamidotoluene	$C_6H_3Me(N:C_5H_4O)_2$	"	....	d.w.m. 120	Schiff	A., 201, 360	**38**, 392
Methoxynaphthaquinonehydrazine	$C_{10}H_5(OMe)O:N_2HPh$	"	....	174–175	Zincké and Thelen	B., 17, 1812	**46**, 1360
Isomethyldiphenylpyrazene carboxylic acid	....	"	....	194 d.	Knorr and Blank	B., 18, 933	**48**, 810
Methyldiphenylpyrazene carboxylic acid	$C_3N_2MePh_2.CO_2H$	"	....	205	"	B., 18, 313	**48**, 556
Ditolylparabanic acid	$CO[.N(C_6H_4Me).CO.]_2=(1.4)_2$	$C_{17}H_{14}O_3N_2$	....	144	Landgrebe	B., 10, 1590	**34**, 217
" "	" $=(1.2)_2$	"	....	202·5–203·5 u.c.	Berger	B., 12, 1856	**38**, 244
Phenylhydrazine-β-benzoylpropiocarboxylic acid	$C_6H_4.CO.N_2Ph:C.(CH_2)_2.CO_2H$=1.2	"	....	210	Roser	B., 18, 804	**48**, 797
Acetylfurfurine	....	$C_{17}H_{14}O_4N_2$	chars. 240	250 d.	Schiff	B., 10, 1189	**34**, 46
Dinitrotoluene naphthalene	$C_{10}H_8+C_6H_3Me(NO_2)_2$	"	....	60–61	Hepp	A., 215, 380	**44**, 318
Nitromesitylphthalimide	$C_6H_4:(CO)_2:N.C_6HMe_3.NO_2$ =1.2; 4.1.3.5.6	"	....	210	Eisenberg	B., 15, 1018	**42**, 956

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
?-picrate	$(C_{11}H_{11}N)+C_6H_2.OH.(NO_2)_3$	$C_{17}H_{14}O_7N_4$(?)	....	170	Beyer	J. p. [2], 31, 47	**48**, 672
Tetranitro-α-ditolylpropionic acid	....	$C_{17}H_{14}O_{10}N_4$	....	223–225 d.	Haiss	B., 15, 1478	**42**, 1071
Benzalphthalethimidine	$NEt.CO.C_6H_4.C:CHPh$=1.2	$C_{17}H_{15}ON$	....	75–77; sf. 70	Gabriel	B., 18, 2435	**48**, 1229
Pseudocumylphthalimide ...	$C_6H_4:(CO)_2:N.C_6H_2Me_3$ =1.2; 6.4.3.1	$C_{17}H_{15}O_2N$	a. Hg.	148	Fröhlich	B., 17, 1803	**46**, 1318
Mesitylphthalimide	„ =1.2; 6.5.3.1	„	....	171	Eisenberg	B., 15, 1017	**42**, 956
Phenanthrenequinimidacetone	see orig. paper	„	....	130	Japp & Streatfield	B., 16, 282	**41**, 271, 274
Acetamidomethylanthranol	„	„	....	170	Römer and Link	B., 16, 706	
Oxalylditolylguanidine	$NH:C[.N(C_6H_4Me).CO.]_2$ $=(1.4)_2$	$C_{17}H_{15}O_2N_3$	....	188·5	Landgrebe	B., 10, 1589	**34**, 216
„	„ $=(1.2)_2$	„	....	206–207·5 u.c.	Berger	B., 12, 1856	**38**, 244
Amidodiphenylmethylpyrazene carboxylic acid	$NH_2.C_6H_4.C_3N_2MePh.CO_2H$ =1.4	„	....	251	Knorr and Jödicke	B., 18, 2259	**48**, 1247
Phenylcumazonic acid	$N:CPh.O.CMe_2.C_6H_3.CO_2H$ =1.2.5	$C_{17}H_{15}O_3N$	....	219–220	Widmann	B., 16, 2586	**46**, 304
Chelerythrin (Sanguinarin)....	....	$C_{17}H_{15}O_4N$	....	160	Richter	R. K. T., 382	
Acetylnitrolapachic acid	$C_{15}H_{12}O_2.NO_2.OAc$	$C_{17}H_{15}O_6N$	B., 16, 802	166–168	Paterno	G. I., 12, 337	**44**, 211
Acetylsalicylethylene nitrophenyl ether	$NO_2.C_6H_4.O.C_2H_4.O.CO.$ $C_6H_4.OAc=(1.2)_2$	$C_{17}H_{15}O_7N$	....	80	Wagner	J. p. [2], 27, 218	
Dimethamidoquinoline picrate	$C_9H_6N.NMe_2+C_6H_2.OH.$ $(NO_2)_3=\alpha_1;\beta_2$; 1.2.4.6	$C_{17}H_{15}O_7N_5$	....	215	Coste	B., 16, 673	**44**, 811
Citraconanilide	$C_5H_4O_2(NHPh)_2$	$C_{17}H_{16}O_2N_2$	B., 14, 2789	175·5	Strecker	B., 15, 1641	**42**, 1281
Itaconanilide	„	„	A., 77, 282	185	„	„	„
Mesaconanilide	„	„	....	185·7	„	„	„
Diacetamidofluorene....	$C_{13}H_8(NHAc)_2$	„	....	d. 250	Schultz	A., 203, 101	**38**, 814
Diacetyloxybenzylidine phenylhydrazine	$AcO.C_6H_4.CH:N_2AcPh$=1.2	$C_{17}H_{16}O_3N_2$	....	133	Rössing	B., 17, 3006	**48**, 389
Diacetdiamidobenzophenone	....	„	....	226·5	Staedel & Prätorious	B., 11, 744; A., 194, 360	**34**, 671; **36**, 319
Benzoylacetylphenylethenylamidoxime	$AcO.CHPh.C(NH_2):NOBz$	$C_{17}H_{16}O_4N_2$	....	165	Gross	B., 18, 1079	
Dibenzdiamidopyroracemic acid	....	„	....	172 d.	Böttinger	B., 14, 1599	**40**, 1032
Ethylic nitrobenzalphthalimidinate	$NO_2.CPh:C(NH_2).C_6H_4.CO_2$ Et=1.2	„	....	154–155	Gabriel	B., 18, 2441	**48**, 1230
? (ortho)	....	„	....	144	Brauns	B., 17, 1136	**46**, 1038
? (para)	....	„	....	222	„	„	„
Benzamsuccinanilide	$NHPh.CO.C_2H_4.CO.NH.$ $C_6H_4.CO_2H$=1.3	„	....	252	Pellizzari	B., 18, 214	**48**, 533
Diacetylresorcinolazotoluene	$C_6H_4Me.N_2.C_6H_3(OAc)_2$ =1.2; ?.1.3	„	....	74–75	Wallach & Fischer	B., 15, 2825	
„	„ =1.4; ?.1.3	„	....	98	„	B., 15, 2821	
Dinitro-α-ditolylpropionic acid	....	$C_{17}H_{16}O_6N_2$	....	129 d.	Haiss	B., 15, 1476	**42**, 1071
Ethoxyquinoline picrate	$N.OEt=\alpha_1;\alpha_1$	$C_{17}H_{16}O_8N_4$	....	180–181	Fischer and Renouf	B., 17, 759	**46**, 1049
Toluidine-β-naphthol	$C_6H_4Me.NH_2.+C_{10}H_7.OH$	$C_{17}H_{17}ON$	....	80·5	Dyson	....	**43**, 468
Acetamidomethylanthracene dihydride	$C_{14}H_{10}Me.NHAc$	„	....	198	Roemer	B., 16, 1634	**44**, 1137
Deoxybenzoïncarboxylethamide	$Ph.CH_2.CO.C_6H_4.CO.NHEt$ =1.2	$C_{17}H_{17}O_2N$	....	139–140	Gabriel	B., 18, 1258, 2435	**48**, 903
Acetonebenzilimide	....	„	176	....	Japp and Miller	....	**47**, 24
Hydroxylamine on acetonebenzil	....	$C_{17}H_{17}O_3N$	....	146	„	....	**47**, 25
Eugenolphenylcarbamate	$NHPh.CO_2.C_6H_3.OMe.C_3H_5$	„	....	95·5	Snape	....	**47**, 777
Benzoylnitrosothymol	$Pr^{\alpha}.Me.OBz.NO$=1.4.6.?	„	....	110	Schiff	B., 8, 1501	**29**, 583
Cumo-salicylamide	....	„	J. [1856], 502	200	Field	A., 65, 45	ii., 178
Phthalopseudocumidic acid....	$C_6H_2Me_3.NH.CO.C_6H_4.CO_2H$ =1.3.4.6; 1.2	„	....	179 d.	Fröhlich	B., 17, 1809	**46**, 1320
Morphothebaïne	....	„	....	190–191	Howard	B., 17, 530	**46**, 1201

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzethylanishydroxylamine	$MeO.C_6H_4.CO.CPh:NOEt$ =1.4	$C_{17}H_{17}O_4N$	B., 16, 875	64	Pieper	A., 217, 10	**44**, 461
α-Ethylic benzanishydroxamate	$NBz(CO.C_6H_4.OMe).OEt$ =1.4	"	....	69	Eiseler	A., 175, 336	**28**, 767
α- " "	" "	"	....	74 u. c.	Pieper	A., 217, 2	**44**, 461
β- " "	....	"	....	89	"	A., 217, 4	"
α-Ethylic anisbenzhydroxamate	....	"	....	Liquid	"	A., 217, 7	
β- " "	....	"	A., 217, 7	79	Eiseler	A., 175, 337	**28**, 767
Anisethylbenzhydroxylamine	$MeO.C_6H_4.C(:NOEt).O.CO.Ph$	"	B., 16, 875	93–94	Pieper	A., 217, 15	
Ethylic phenyllutidinedicarboxylate	$C_5NPhMe_2.CO_2Et.CO_2H$	"	....	179–180	Hantzsch	B., 17, 2909	**48**, 397
Ethylic ethylenenitrophenoloxybenzoate	$NO_2.C_6H_4.O.C_2H_4.O.C_6H_4.CO_2Et$=1.4 ; 1.2	$C_{17}H_{17}O_6N$	....	81	Wagner	J. p. [2], 28, 220	**46**, 435
" "	" =1.2 ; 1.2	"	....	100	"	J. p. [2], 28, 212	"
" "	" =1.2 ; 1.4	"	....	103	"	J. p. [2], 28, 222	"
" "	" =1.4 ; 1.4	"	....	131	"	J. p. [2], 28, 224	"
Phenylhydrazineacetophenoneacetone	see B., 17, 2764	$C_{17}H_{18}ON_2$	unstable	abt. 105	Paal	B., 17, 2764	**48**, 250
Ethyleneditolylcarbamide	$CO[N(C_6H_4Me).CH_2.]_2$ =$(1.4)_2$	"	....	228	Michler and Keller	B., 14, 2184	**42**, 183
Dimethyldiphenylmalonamide	$CH_2(CO.NMePh)_2$	$C_{17}H_{18}O_2N_2$	....	109	Freund	B., 17, 137	**46**, 729
Methylenediphenylacetamide	$CH_2(NH.CO.CH_2Ph)_2$	"	....	205	Hepp	B., 10, 1650	**34**, 66
Phthalopseudocumidamide....	$C_6H_2Me_3.NH.CO.C_6H_4.CO.NH_2$=1.3.4.6 ; 1.2	"	....	218	Fröhlich	B., 17, 1807	**46**, 1319
Nitrobenzisocymidide	$Me.Pr^β.NHBz.NO_2$=1.3.$(?)_2$	$C_{17}H_{18}O_3N_2$	....	177	Kelbe and Warth	A., 221, 157	**46**, 47
Butylacridine nitrate	$C_{13}H_8BuN+HNO_3$	"	...	139	Bernthsen & Traube	B., 17, 1509	**46**, 1183
Phenylhydrazinephenyllœvulinic acid	....	$C_{17}H_{18}O_4N_2$	....	140	Weltner	B., 18, 793	**48**, 794
?	$CO[O.N:C(NH_2).CHPh.OH]_2$	"	....	131	Gross	B., 18, 2481	**48**, 1219
Diethamidobenzophenone	$Ph.CO.C_6H_4.NEt_2$=1.4	$C_{17}H_{19}ON$	....	78	Döbner	A., 217, 266	**44**, 861
Benzisocymidide	$Me.Pr^β.NHBz$=1.3.?	"	....	165	Kelbe and Warth	A., 221, 157	**46**, 46
Thymotic aldehyde anilide	$Me.Pr^α.OH.(CH:NPh)$ =1.4.3.6	"	....	142	Kobek	B., 16, 2098	**46**, 56
Ethylic phenyltoluidoacetate	$C_6H_4Me.NH.CHPh.CO_2Et$ =1.2	$C_{17}H_{19}O_2N$	....	Liquid	Stöckenius	J. [1878], 781	
" "	" =1.4	"	....	89–90	"	"	
Benzoylcarvoxime	$C_{10}H_{14}:NOBz$	"	....	95	Goldschmidt and Zürrer	B., 18, 1730, 1732	**48**, 1058
Phenylethenylphenyluramidoxime ethyloxide	$Ph.CH_2.C(NH.CO.NHPh):N.OEt$	$C_{17}H_{19}O_2N_3$	....	148	Knudsen	B., 18, 2482	**48**, 1218
Azobenzenediethamidobenzoic acid	$Ph.N_2.C_6H_3.(NEt_2).CO_2H$ =?.1.3	"	....	125	Griess	B., 10, 526	**32**, 455
Hydroxythymoquinonetoluide	$Me.Pr^α.OH.NHPh:O_2$ =1.4.2.3.5.6	$C_{17}H_{19}O_3N$	....	164–165	Schulz	B., 16, 902	
Piperine (J. [1854], 525 ; [1857], 413)	....	"	A., 74, 204	100	Pelletier	Gm., 7 492	iv., 658
" (A., 77, 204 ; 95, 107)	....	"	J. [1877], 891	abt. 110	Wackenroder	Br. Arch., 37, 347	"
"	$C_{12}H_9O_3.N(C_5H_{10})$	"	synthetical	127–128	Rügheimer	B., 15, 1391	**42**, 1217
"	....	"	natural	*128–129·5*	"	"	"
Ethylphenylhydroxyethenylphenyluramidoxime	$HO.CHPh.C(NOEt).NH.CO.NHPh$	$C_{17}H_{19}O_3N_3$	....	119	Gross	B., 18, 2479	**48**, 1218
Oxymorphine....	....	$C_{17}H_{19}O_4N$	....	245	Schützenberger	B. S. [2], 4, 176	vi., 841
Colchicin	....	$C_{17}H_{19}O_5N$	....	140	Hübler	C. C. [1865], 536	vi., 482
"	$C_{17}H_{23}O_6N$	"	....	145	Hertel	B., 14, 1412	
"	....	"	....	146	Richter	R. K. T., 383	
"	$C_{15}H_{23}O_5N_3$ or $C_{23}H_{21}O_{11}N$	"	....	*163*	Hondes	C. R., 98, 1442	**46**, 1055
"	....	"	$+H_2O$	93	"	"	"
Colchiceïn J. [1864], 451	$C_{17}H_{21}O_5N$	"	$+2H_2O$	150	Hertel	B., 14, 1412	
"	"	"	M. C., 4, 162	155	Oberlin	J. [1856], 519	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diphenyldiethylcarbamide	$NEt_2.CO.NPh_2$	$C_{17}H_{20}ON_2$	....	54	Michler	B., 9, 711	**30**, 290
"	$CO(NEtPh)_2$	"	....	79	"	B., 9, 712	"
Di(phenethyl)carbamide	$NH_2.CO.N(CH_2.CH_2Ph)_2$	"	J. [1879], 441	108–109	Spica	G. I., 9, 555	**38**, 242
Benzenyldiethylphenylenamidine	$C_6H_4.N:CPh.NEt.OH=?$	"	A., 210, 360	132	Hübner and Simon	B., 12, 1243	**36**, 923
"	" "	"	....	136	Howe	A. C. J., 5, 418	**46**, 741
Tetramethdiamidobenzophenone	$CO(C_6H_4.NMe_2)_2$	"	....	152	Michler and Moro	B., 12, 1169	**36**, 921
"	"	"	....	179 u. c.	Michler	B., 9, 717	**30**, 298
"	"	"	....	179	Michler & Dupertius	B., 9, 1900	**32**, 334
Di(ethylphenyl)carbamide	$CO(NH.C_6H_4Et)_2=(1.4)_2$	"	....	217	Paucksch	B., 17, 2804	**48**, 256
Cuminylphenylcarbamide ...	$NHPh.CO.NH.C_6H_3MePr$	"	....	146	Raab	B., 8, 1151	**29**, 399
Dixylylcarbamide	$CO:N_2H_2(C_6H_3Me_2)_2=4.3.1$	"	....	n.f. 250	Genz	B., 3, 226	vii., 1210
Dinitropodocarpinic acid	fr. $C_9H_{15}.C_6H_2Me.OH.CO_2H =1.2.4.3$	$C_{17}H_{20}O_7N_2$	....	203	Oudemanns	A., 170, 229	
Nitrosotetramethdiamidodiphenylmethane	fr. $CH_2(C_6H_4.NMe_2)_2$	$C_{17}H_{21}ON_3$	....	165	Michler and Moro	B., 12, 1171	**36**, 921
Apoatropine (atropatropeïne)	$CH_2:CPh.CO.C_8H_{14}NO$	$C_{17}H_{21}O_2N$	B., 16, 243	60–62	Pesci	G. I., 11, 538, 547	**42**, 740
Cinnamyltropeïne	....	"	A., 217, 100	70	Ladenburg	B., 13, 1085	**38**, 715
Nitrosodimethylaniline cyanhydrin	....	$C_{17}H_{21}O_2N_5$	....	221	Lippmann and Fleissner	M. C., 6, 537	**48**, 1213
Piperidine piperate	$C_5H_{11}N.C_{12}H_{10}O_4$	$C_{17}H_{21}O_4N$	....	100	Babo and Keller	J. p., 72, 53	iv., 656
Cocaïn (impure)	....	"	A., 133, 351	75	Truphene	C. C. [1881], 447	**42**, 75
"	....	"	J. [1860], 365	98	Niemann	A., 114, 213	i., 1060
"	....	"	....	98	Merck	B., 18, 2265	
?	....	"	....	74	Pinner	B., 14, 1077	
Diethylic hydrofurfuryllutidine dicarboxylate	$N.C_4H_3O.(CO_2Et)_2.Me_2 =1.2.3.5.4.6$	$C_{17}H_{21}O_5N$	....	164	Schiff and Puliti	B., 16, 1608	**44**, 1151
Colchiceïn	see $C_{17}H_{19}O_5N$	"	....	....	....	....	
Nitropodocarpinic acid	see $C_{17}H_{20}O_7N_2$	"	....	205	Oudemanns	A., 170, 226	
Tetramethdiamidobenzhydrol	$HO.CH(C_6H_4.NMe_2)_2$	$C_{17}H_{22}ON_2$	....	96	Michler and Dupertius	B., 9, 1900	**32**, 334
Tetramethdiamidodiphenylcarbamide	$CO(NH.C_6H_4.NMe_2)_2 =(1.4)_2$	$C_{17}H_{22}ON_4$	....	246	Michler and Zimmermann	B., 14, 2179	**42**, 182
"	" "	"	....	262 d.	Binder	B., 12, 536	**36**, 628
Hyoscyamine....	....	$C_{17}H_{23}ON$	....	89	Blyth	....	**33**, 316
"	....	"	....	90	Hölm & Reichardt	A., 157, 98	**24**, 149; vii., 664
"	....	"	....	105	Schmidt	B., 14, 157	
"	....	"	....	108·5	Ladenburg and Meyer	B., 13, 254, 381	**38**, 482
"	....	"	J. [1878], 894	108·5	Ladenburg	C. R., 90, 874	**38**, 561
"	....	"	B., 14, 1870	*108·5*	"	B., 13, 109, 607	**38**, 411
Atropine (Daturine).... ...	....	"	v. 140 p.d.	90	....	....	i., 474
" "	....	"	....	97	Blyth	....	**33**, 316
" "	from diff. sources	"	....	97–99	Pesci	G. I., 10, 495; 11, 59	**40**, 293; **42**, 634
" "	"	"	....	106–108	"	"	"
" "	"	"	....	109–110	"	"	"
" "	....	"	....	105–108	Ladenburg and Meyer	B., 13, 381	**38**, 482
" "	....	"	....	113·5	Ladenburg	B., 12, 492; 13, 104	**38**, 411
" "	....	"	A., 217	*113·5*	Ladenburg and Meyer	B., 13, 380	**38**, 482
" "	from diff. sources	"	....	112·5–115·5	Schmidt	B., 13, 370	**38**, 481
" "	....	"	....	115–115·5	"	B., 14, 156	
" "	....	"	....	115·5	Ladenburg	B., 12, 942	
Pseudoatropine (Atrolactyltropeïne)	....	"	....	119–120	"	A., 217, 87	**44**, 671
" "	....	"	....	*121*	"	B., 15, 1027	**42**, 984
Hyoscine	....	"	B., 14, 1870	?	"	B., 13, 254, 1554	**38**, 674

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzamsebacic acid	$CO_2H.C_6H_4.NH.CO.C_8H_{16}$ CO_2H=1.3	$C_{17}H_{23}O_5N$	....	192–193	Pellizzari	B., 18, 216	**48**, 534
Acetyltolyl-n-octylamine	$C_8H_{17}.C_6H_3Me.NHAc$ =(?).1.2	$C_{17}H_{27}ON$	....	81	Beran	B., 18, 147	**48**, 524
Cerebrine (J. p. [2], 24, 325, 328)	$C_8H_{160}O_{15}N$ (?)	$C_{17}H_{33}O_3N$(?)	....	155–160	Gobley	J. P. [4], 19, 346	**27**, 909
Alkaloid from lupin seed	....	$C_{17}H_{34}ON_2$	216	....	Siewert	25, 519	vii., 758
" "	....	$C_{17}H_{36}O_2N_2$	216	....	Beyer	Lw., 14, 161	"
Diœnanthotrinreïd	$CO(NH.C_7H_{14}.NH.CO.NH_2)_2$	$C_{17}H_{36}O_3N_6$	....	162	Schiff	A., 151, 189	
Dinitrochrysoquinone	$C_{18}H_8(NO_2)_2:O_2$	$C_{18}H_8O_6N_2$	....	230	Adler	B., 12, 1893	**38**, 263
Tetranitrochrysene	$C_{18}H_8(NO_2)_4$	$C_{18}H_8O_8N_4$	A., 158, 307	a. 300	Schmidt	J. p. [2], 9, 283	**27**, 989
Dinitrochrysene	$C_{18}H_{10}(NO_2)_2$	$C_{18}H_{10}O_4N_2$	....	a. 300	Schmidt	J. p. [2], 9, 282	"
α-Phenylpyridine ketone picrate	$C_{12}H_7ON+C_6H_2.OH.(NO_2)_3$	$C_{18}H_{10}O_7N_3$	....	195–199	Skraup & Cobenzl	M. C., 4, 436	**44**, 1016
Nitrochrysene	$C_{18}H_{11}.NO_2$	$C_{18}H_{11}O_2N$	A., 158, 306	209	Schmidt	J. p. [2], 9, 281	**27**, 988
Phthalic quinaldine (quinoline yellow)	$C_6H_4.C.CO.C_6H_4.CO.C.$ $CMe:N=(1.2)_2$	"	....	234–235	Jacobsen & Reimer	B., 16, 1083	**44**, 922
Ethenylacetylamidoalizarin	$N:C_2H_3.O.C_6H(OAc):(CO)_2:$ C_6H_4	$C_{18}H_{11}O_5N$	....	238–240	Reimer	B., 18, 1666	**48**, 1068
Trinitrodiphenylbenzene	fr. $C_6H_4Ph_2$=1.4	$C_{18}H_{11}O_6N_3$	....	190	Schmidt & Schultz	B., 11, 1755	**36**, 163
" "	" "	"	....	*195*	"	A., 203, 127	**40**, 435
Trinitroisodiphenyl benzene	" =1.2 (?)	"	....	200	"	A., 203, 130	"
Acenaphthene picrate	$C_{12}H_8+C_6H_2.OH.(NO_2)_3$	$C_{18}H_{11}O_7N_3$	....	201–202	Behr and Dorp	A., 172, 263	**27**, 1168
" "	"	"	....	201–202	Blumenthal	B., 7, 1093	
Phenanthroline picrate	$C_{12}H_8N_2+C_6H_2.OH.(NO_2)_3$	$C_{18}H_{11}O_7N_5$	....	238–240	Skraup ~~and~~ Vortmann	M. C., 3, 570	**44**, 87
?	$C_6H:O_2(NO)(NH.C_6H_4.NO_2)_2$	"	....	245	Zincké	B., 16, 1557	**44**, 1117
Diacetyl β-nitroalizarin	$C_{14}H_5(NO_2)(OAc)_2:O_2$	$C_{18}H_{11}O_8N$	....	218	Schunck & Römer	B., 12, 587	**36**, 654
Diphenylene oxide picrate	$C_6H_4.C_6H_4.O$=1.2	$C_{18}H_{11}O_8N_3$	....	94	Goldschmidt and Herzig	M. C., 2, 14; 3, 126	**42**, 617
Dinitrodiphenyl benzene	fr. $C_6H_4Ph_2$.=1.4	$C_{18}H_{12}O_4N_2$	....	264	Schmidt & Schultz	B., 11, 1755	**36**, 163
" "	" "	"	....	*277*	"	A., 203, 125	**40**, 435
Trinitrotriphenylamine	$N(C_6H_4.NO_2)_3$	$C_{18}H_{12}O_6N_4$	....	280	Heydrich	B., 18, 2157	**48**, 1213
Dinitropolyporic acid	....	$C_{18}H_{12}O_8N_2$	....	230	Stahlschmidt	A., 195, 369	
Acetylphenylnaphthylcarbazole	$C_{10}H_6.C_6H_4.NAc$	$C_{18}H_{13}ON$	....	121	Græbe and Knecht	A., 202, 7	
Nitrosonitrophenylazophenylaniline	fr. $NO_2.C_6H_4.N_2.C_6H_4.NHPh$ =1.3; 1.4	$C_{18}H_{13}O_3N_5$	....	127–128	Meldola	....	**45**, 119
" "	" $=(1.4)_2$	....	sf. 161	169–170	"	....	"
Pulvamic acid	....	$C_{18}H_{13}O_4N$	....	220	Spiegel	B., 13, 1633	**40**, 97
Diacetylamidoalizarin	$C_6H_4:(CO)_2:C_6H(OAc)$ $(OH).NHAc$	$C_{18}H_{13}O_6N$	....	268–271	Römer	B., 18, 1668	**48**, 1069
Diphenyl picrate	$Ph_2+C_6H_2.OH.(NO_2)_3$	$C_{18}H_{13}O_7N_3$	....	94	Goldschmidt and Schidt	W. A., 83, 7	**40**, 824
Acenaphthene picrate	"	"	....	160	"	"	"
Nitrosophenylamidoazobenzene	$Ph.N(NO).C_6H_4.N_2.Ph$	$C_{18}H_{14}ON_4$	....	119·5	Witt	B., 12, 261	**35**, 187
Phenolbidiazobenzene	$(Ph.N_2.)_2C_6H_3.OH$ (?)	"	....	131	Griess	A., 137, 87	**37**, 572; **42**, 726
Benzeneazoacetoxynaphthalene	$Ph.N_2.C_{10}H_6.OAc=a_2a_1$;	$C_{18}H_{14}O_2N_2$	....	120	Zincké	B., 16, 1564	**44**, 1135
" "	" "	"	....	128	Zincké & Bindewald	B., 17, 3030	
β-Indogenide of ethylpseudisatin	$NH.C_6N_4.CO.C:C.C_6H_4.$ $NEt.CO$	"	....	197–198	Baeyer	B., 16, 2200	**46**, 76
Nitroresorcinol on aniline acetate	....	"	....	238–239	Fevre	C. R., 96, 790	**44**, 734
Kynurin	$(C_9H_7ON)_2$ q.v.	"	....	201	Schmiedberg and Schultzein	25, 1028	vii., 716
?	$(.CH_2.C:O.N.CPh:N)_2$	$C_{18}H_{14}O_2N_4$	....	160	Schulz	B., 18, 2463	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrosodiphenyl diamidobenzene	$C_6H_4(.NPh.NO)_2$=1.3	$C_{18}H_{14}O_2N_4$	....	102	Calm	B., 16, 2798	**46**, 592
Nitrobenzeneazodiphenylamine	$NO_2.C_6H_4.N_2.C_6H_4.NHPh$ =1.3 ; 1.4	"	....	136–137	Meldola	....	**45**, 116
" "	" =$(1.4)_2$	"	....	151	"	43, 440	**45**, 121
Benzenebidiazophenol	$C_6H_4(.N_2.C_6H_4.OH)_2$=$(1.4)_3$	"	sf. b. 205	205–207	"	....	**47**, 660
α-Benzeneazobenzeneazoresorcinol	$Ph.N_2.C_6H_4.N_2.C_6H_3(OH)_2$	"	....	183–184	Wallach & Fischer	B., 15, 2818	
β- " "	"	"	....	215	"	"	
α-Bidiazobenzeneresorcinol ...	$(Ph.N_2.)_2C_6H_2(OH)_2$	"	....	215	Wallach	B., 15, 25	**42**, 610
α- "	"	"	....	*213–215*	Wallach & Fischer	B., 15, 2816	
β- "	"	"	....	*220*	"	B., 15, 2817	
β- "	"	"	....	225	Wallach	B., 15, 25	**42**, 610
γ- "	"	"	....	220–222	Liebermann and Kostanecki	B., 17, 880	**46**, 1147
Acetoxynaphthaquinonehydrazine	$C_{10}H_5(OAc)O : N_2HPh$	$C_{18}H_{14}O_3N_2$	....	178–179	Zincké and Thelen	B., 17, 1812	**46**, 1360
Acetylamido-β-naphthaquinoneanilide	....	"	....	215	Zincké	B., 15, 285	
Dinitrophenylbenzidine	$NH_2.C_6H_4.C_6H_4.NH.C_6H_3(NO_2)_2$=$(1.4)_2$; 1.2.4	$C_{18}H_{14}O_4N_4$	....	245	Willgerodt	B., 9, 981	**30**, 405
"	" =?	"	....	255	Austen	A. J. S., 13, 279	**32**, 762
Acetyl-β-naphthylphenylamine	$C_{10}H_7.NPhAc$	$C_{18}H_{15}ON$	....	93	Streiff	A., 209, 157	
" -α- "	"	"	....	115	"	A., 209, 154	
" -α- "	"	"	....	115	"	B., 13, 1852	**40**, 176
Benzoylmethyl-α-naphthylamine	$C_{10}H_7.NBzMe$	"	....	121	Hess	B., 18, 687	**48**, 784
" -β- "	"	"	....	169	"	B., 18, 688	"
β-naphthoic toluide	$C_{10}H_7.CO.NH.C_6H_4Me$=1.4	"	....	191	Vieth	A., 180, 324	**30**, 87
Diabzobenzene-β-naphthylacetamide	$C_{10}H_7.NAc.N_2.Ph$	$C_{18}H_{15}ON_3$	....	152–153	Lawson	B., 18, 799	**48**, 803
Methoxy-β-naphthoic anilide	$MeO.C_{10}H_6.CO.NHPh$	$C_{18}H_{15}O_2N$	....	169	Leuckart & Schmidt	B., 18, 2340	**48**, 1224
" -α- " "	"	"	....	218	"	"	"
Ethyl-β-naphthaquinone anilide	$C_{10}H_4EtO_2.NHPh$	"	....	104	Zincké	B., 14, 1496	**40**, 916
" " "	"	"	....	104	"	B., 15, 282	**42**, 735
α-naphthaquinone ethylanilide	$O_2 : C_{10}H_5.NEtPh$=ααβ	"	....	155	Elsbach	B., 15, 1810	**44**, 70
β- " "	" =αβα	"	....	165	"	B., 15, 691	**42**, 853
Methyl-β-naphthaquinonetoluide	....	"	....	150	Zincké and Brauns	B., 15, 1970	**44**, 209
Oxyquinone ethylimide	$C_{16}H_9(OH).O.NEt$	"	....	129–130	Breuer and Zincké	B., 13, 632	**33**, 665
Acetylflavenol	$CH : CMe.C_6H_4.N : C.C_6H_4.OAc$=(1.2)	"	....	128	Besthorn & Fischer	B., 16, 69	**44**, 600
Dicinnamhydroxamic acid	$N(CO.CH : CHPh)_2.OH$	$C_{18}H_{15}O_3N$	....	152	Rostoski	A., 178, 219	**29**, 273
Amylic cyanurate	....	$C_{18}H_{15}O_3N_3$	....	200 d.	Hofman and Olshausen	P. R., 18, 493	vii., 410
β-naphthyldimethylpyroline-dicarboxylic acid	$N(C_{10}H_7).Me_2.(CO_2H)_2$ =1.2.5.3.4	$C_{18}H_{15}O_4N$	....	d. 260	Knorr	B., 18, 308	**48**, 555
β-ethylnaphthalene picrate	$C_{10}H_7Et+C_6H_2.OH.(NO_2)_3$	$C_{18}H_{15}O_7N_3$	....	69	Brunel	B., 17, 1180	**46**, 1035
?- " "	"	"	....	71	Marchetti	G. I., 11, 439	**42**, 410
α- " "	"	"	....	*98*	Carnelutti	B., 13, 1672	**40**, 280
α- " "	"	"	....	98	Fittig and Remsen	A., 155, 119	**40**, 824
α- " "	"	"	....	99	Goldschmidt and Schidt	W. A., 83, 7	"
Dimethylnaphthalene picrate	$C_{10}H_6Me_2+C_6H_2.OH.(NO_2)_3$	"	B., 16, 428	139	Cannizzaro and Carnelutti	G. I., 12, 393	**44**, 80
" "	"	"	....	139	Giovannozzi	G. I., 11, 147	**42**, 855
Guaiene picrate	$C_{12}H_{12}+C_6H_2.OH.(NO_2)_3$	"	....	123	Botsch	M. C., 1, 609	**42**, 211

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzeneazo-α-ethoxynaphthalene	$Ph.N_2.C_{10}H_6.OEt=a_1a_2$;	$C_{18}H_{16}ON_2$	....	98–100	Zincké and Bindewald	B., 17, 3028	
Nitrosobenzazo-β-ethamidonaphthalene	$Ph.N_2.C_{10}H_6.NEt.NO$(?)	$C_{18}H_{16}ON_4$	....	97	Henriques	B., 17, 2670	**48**, 168
Acetyl-p-tolyl-p-methylpseudoimesatin	see original paper	$C_{18}H_{16}O_2N_2$	....	121–122	Duisberg	B., 17, 197	**48**, 544
Ethoxynaphthaquinonehydrazine	$C_{10}H_5(OEt).O.N_2HPh$	,,	....	172–173	Zincké and Thelen	B., 17, 1812	**46**, 1360
Benzoylanilidopyrotartarimide	....	$C_{18}H_{16}O_3N_2$	....	190	Wechsler	B., 18, 1042	**48**, 900
Nitrophthalic isocymidide	fr. $C_6H_4:(CO)_2:N.C_6H_3Me$ $Pr^{\beta}=1.2; ?.3.1$	$C_{18}H_{16}O_4N_2$	....	167	Kelbe and Warth	A., 221, 157	**46**, 47
Ethylic furfurincarboxylate	$C_{15}H_{11}(CO_2Et)O_3N_2$	$C_{18}H_{16}O_6N_2$	....	124	Bahrmann	J. p. [2], 27, 318	
Dinitrodiethylcarbobenzonic acid	....	$C_{18}H_{16}O_6N_2$	....	155–156	Zagoumenny	A., 184, 170	**32**, 194
Ethylic dinitroazobenzoic acid	$N_2(C_6H_3.NO_2.CO_2Et)_2=1.?.3$	$C_{18}H_{16}O_8N_4$	....	104	....	J. R., 6, 197	
β-phenamidoethoxynaphthalene	$C_{10}H_7.O.C_2H_4.NHPh$	$C_{18}H_{17}ON$	....	75	Koelle	B., 13, 1955	**40**, 178
Apocinchene	....	,,	....	209–210	Königs	B., 14, 1855	**42**, 224
Phthalic isocymidide....	$C_6H_4:(CO)_2:N.C_6H_3MePr$ $=1.2; ?.3.1$	$C_{18}H_{17}O_2N$	....	145	Kelbe and Warth	A., 221, 157	**46**, 47
Apochinine	....	,,	....	246	Comstock & Königs	B., 18, 1227	**48**, 911
Oxyapocinchene	....	,,	....	217	,,	B., 18, 2385	
,,	....	,,	....	267	Königs	B., 14, 1858	**42**, 225
Methoxyphenylimidoacetonitril	$(MeO.C_6H_4.CH(CN)_2)N_2H$ $=(1.2)_2$	$C_{18}H_{17}O_2N_3$	....	123	Voswinckel	B., 15, 2025	**44**, 190
Ethyl-p-tolyl-p-methylpseudoimesatin	see original paper	$C_{18}H_{18}ON_2$	....	151–152	Duisberg	B., 18, 199	**48**, 544
Ethylic azobenzoate	$N_2(.C_6H_4.CO_2Et)_2=(1.4)_2$	$C_{18}H_{18}O_4N_2$	A., 132, 148	88	Fittica	B., 8, 252	**28**, 766
,, ,, ...	,, ,,	,,	....	88	,,	J. p. [2], 13, 184	**36**, 152
,, ,, ...	,, $=(1.3)_2$	,,	....	b. 100	Strecker	A., 129, 139	**vi.**, 321
,, ,, ...	,, ,,	,,	....	90–92	....	J. R., 6, 251	
,, ,, ...	,, ,,	,,	....	*97*	Fittica	B., 8, 252	**28**, 766
,, ,, ...	,, ,,	,,	....	99	,,	J. p. [2], 13, 184	**36**, 152
,, ,, ...	,, = ?	,,	....	102	,,	,,	,,
,, ,, ...	,, $=(1.2)_2$	,,	....	138–139	,,	,,	,,
Dinitrotetramethylbenzidine	fr. $(.C_6H_4.NMe_2)_2=(1.4)_2$	$C_{18}H_{18}O_4N_4$	....	188	Michler & Pattinson	B., 17, 118	**46**, 747
Citro-dianilic acid	....	$C_{18}H_{18}O_5N_2$	....	153	Pebal	A., 82, 89 ; 98, 89	
Dinitrosuccino-p-toluide	fr. $(.CH_2.CO.NH.C_6H_4Me)_2$	$C_{18}H_{18}O_6N_4$	....	217	Hübner	A., 209, 381	**42**, 181
Acetylbenzoylpseudocumidine	$Me_3.Bz.NHAc=1.3.4.?.6$	$C_{18}H_{19}O_2N$	....	170	Fröhlich	B., 17, 2674	**48**, 154
Corydalin	J. [1859], 570 ; B. J., 7, 220	$C_{18}H_{19}O_4N$	A., 64, 369	130	Wicke	A., 137, 274	**vi.**, 497
Ethylic m-diazoamidobenzoate	....	$C_{18}H_{19}O_4N_3$	....	144	Griess	A., 117, 11	**iv.**, 293
Ethylic benzoate+ethylic nitrobenzoate	....	$C_{18}H_{19}O_6N$	282–285	Liquid	Fittica	B., 10, 488 ; J. p. [2], 13, 184	**32**, 483 ; **36**, 153
Ethylidene phenylacetamide	$Me.CH.(NH.CO.CH_2Ph)_2$	$C_{18}H_{20}O_2N_2$	....	227–228	Bernthsen	A., 184, 318	**31**, 619
Quinol+aniline	$2(Ph.NH_2)+C_6H_4(OH)_2$ $=1.4$	,,	....	89–90	Heberand	B., 15, 1973	**44**, 61
Succinotoluide	$(.CH_2.CO.NH.C_6H_4Me)_2$ $=(1.2)_2$	,,	....	100	Bechi	B., 12, 323	**36**, 528
,, ...	,, $=(1.4)_2$	,,	A., 126, 165	256	,,	,,	,,
,, ...	,, ,,	,,	....	256	Hübner	A., 209, 380	**42**, 181
Oxalylxylide	$(.CO.NH.C_6H_3Me_2)_2=(?.4.1)_2$	,,	....	w. m. 125	Schaumann	B., 11, 1538	**36**, 51
,,	,, $=(4.3.1)_2$	,,	....	204	Genz	B., 3, 227	
Methylphthalopseudocumidamide	$C_6H_2Me_3.NH.CO.C_6H_4.CO.$ $NHMe=1.3.4.6 ; 1.2$	,,	....	215 d.	Fröhlich	B., 17, 1808	**46**, 1319
Hydrokynurin	....	,,	....	100	Kretschy	W. A., 83, 171	**40**, 829
Diacetyl-?	$C_{14}H_{14}Ac_2N_2$	,,	....	212–216 d.	Klinger	B., 16, 945	
Cinchotenicin....	....	$C_{18}H_{20}O_3N_2$	d. 180	153 u. c.	Hesse	B., 11, 1984	
Cinchotenin	A., 176, 232 ; As., 7, 349	,,	$+3H_2O$	197–198 c.	Skraup	A., 197, 378	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Cinchotenidine	cf. B., 14, 1892	$C_{18}H_{20}O_3N_2$	$+3H_2O$	256 c.; d.	Skraup and Vortmann	A., 197, 237	36, 949
" "	....	"	....	256	Skraup	B., 11, 1519	
Ethylene acetamidophenyl ether	$C_2H_4(O.C_6H_4.NHAc)_2=(1.2)_2$	$C_{18}H_{20}O_4N_2$	....	226	Wagner	J. p. [2], 27, 204	46, 435
Diacetamidodihydroxystilbene	$[HO.C_6H_4(NHAc).CH:]_2$	"	....	a. 300	Japp and Hooker		45, 680
Nitrocodeïn	....	$C_{18}H_{20}O_6N_2$	A., 77, 358	211–214	Gerichten	A., 210, 105	42, 313
?	....	$C_{18}H_{20}O_6N_2$	....	255	Knapp and Schultz	A., 210, 185	
Diacetdiamidotetracetoxybenzene	$C_6(OAc)_4(NHAc)_2$	$C_{18}H_{20}O_{10}N_2$	....	240 p. d.	Nietzki and Benckiser	B., 18, 504	48, 780
Benzamidoisoamylbenzene	$C_6H_4(C_5H_{11}).NHBz$	$C_{18}H_{21}ON$	....	146–149	Merz and Weith	B., 14, 2346	
" " ...	"	"	....	146–149	Calm	B., 15, 1645	
" "	"	"	....	144–145·5	"	"	
Isobutylbenzamidotoluene ..	$Me.Bu^{\beta}.NHBz=1.3.6$	"	....	168	Effront	B., 17, 2322	48, 152
Methylthymotic aldehyde anilide	$Me.Pr^{\alpha}.OMe.(CH:NPh)=1.4.3.6$	"	....	80	Kobek	B., 16, 2100	46, 56
Diglycolamidic ditoluide	$NH(CH_2.CO.NH.C_6H_4Me)_2=(1.4)_2$	$C_{18}H_{21}O_2N_3$	....	149·5	Meyer	B., 8, 1155	29, 372
Codeïn	cf. C. R., 92, 1140, 1228	$C_{18}H_{21}O_3N$	$+H_2O$	150	Robiquet	A., 5, 109	
"	....	"	A., 77, 341	153	Richter	R. K. T., 394	
"	....	"	B., 15, 2259	155	Ger. Pharm., 1882		
Diethylic phenyldimethylpyrroline dicarboxylate	$NPh.Me_2.(CO_2Et)_2=1.2.5.3.4$	$C_{18}H_{21}O_4N$	280 (50)	37–38	Knorr	B., 18, 303	48, 555
Benzenyldiethyltoluylene-amidine	....	$C_{18}H_{22}ON_2$	....	152–153	Hübner	A., 210, 375	
Xylylamidoacetxylide	$C_6H_3Me_2.NH.CH_2.CO.NH.C_6H_3Me_2=1.3.?; ?3.1$	"	....	128	Ehrlich	B., 16, 206	44, 594
Cumylazocumenol	$C_6H_2Me_3.N_2.C_6HMe_3.OH=1.3.4.6; ?.1.3.4.6$	"	....	147–148	Liebermann and Kostanecki	B., 17, 885	46, 1147
Diphenylaminephenate	$2C_6H_4(NH_2)_2+Ph.OH$	$C_{18}H_{22}ON_4$	....	113	Griess	P. T., 1864, 667	iv., 433
Bidimethamidophenyloxamide	$(.CO.NH.C_6H_4.NMe_2)_2=(1.4)_2$	$C_{18}H_{22}O_2N_4$	....	nf. 270	Sendtner	B., 12, 533	36, 627
Tolylammonium tolyldiglycolamidate	$CO_2H.CH_2.N(C_6H_4Me).CH_2.CO_2NH_3.C_6H_4Me=(1.4)_2$	$C_{18}H_{22}O_4N_2$	original misprint	*168–169*	Meyer	B., 14, 1324	42, 519
"	"	"	....	166–168	Schwebel	B., 10, 2047	"
Diethylic phenyldimethylpyridazindicarboxylate	see orig. paper	"	....	127	Knorr	B., 18, 305	48, 555
Phenylarabinosazone	....	$C_{18}H_{22}O_4N_4$	....	157–158	Scheibler	B., 17, 1732	46, 1287
Phenylgalactosazone....	....	"	....	170–171	"	"	"
"	....	"	....	*182*	Fischer	B., 17, 582	48, 53
Phenylglucosazone	....	"	....	*204–205*	"	B., 17, 579	"
"	....	"	....	206	Tiemann and Kees	B., 18, 1660	
Diethylic phenylizinsuccinosuccinate	$NPh.NH.C.CH_2.CH(CO_2Et).CO.CH_2.CH.CO_2Et$	$C_{18}H_{22}O_5N_2$	....	159–160	Knorr and Bülow	B., 17, 2054	46, 1380
Nupharin	....	$C_{18}H_{24}O_2N_2$	....	s. 40–45; sf. 65	Grüning	A. P. [3], 20, 582; B., 16, 969	44, 370
Menispermin	....	"	....	120	Pelletier & Couerbe	A., 10, 198	
Paramenispermin	....	"	....	250	"	A., 10, 200	
Diethylic phenylizindiacetosuccinate	$NPh.NH.CMe.CH(CO_2Et).CHAc(CO_2Et).$	$C_{18}H_{24}O_5N_2$	....	91	Knorr and Bülow	B., 17, 2058	46, 1381
Oxyhexinamide	$C_{18}H_{21}O_5(NH_2)_5$	$C_{18}H_{31}O_5N_5$	....	214–215	Demarçay	A. C. [5], 20, 490	
Isoxyhexinamide	"	"	....	240 d.	"	A. C. [5], 20, 492	
Oleamide	....	$C_{18}H_{35}ON$	J., 1859, 368	*s. 75*	Carlet	B. S., 1, 73	iv., 191
"	....	"	J., 1855, 532	79–81	Rowney	7, 200	"
Elaïdamide	....	"	....	92–94	"	J. [1855], 532	
Ricinoleamide	....	$C_{18}H_{35}O_2N$	....	66	Bouis	A. C. [3], 44, 96	
Ricinelaïdamide	C. G., 1855, 361	"	....	91–93	Rowney	J. [1855], 533	v., 109
Octylnonoxylcarbamide ...	....	$C_{18}H_{36}O_2N_2$	....	97	Hofmann	B., 15, 760	42, 1053
Stearamide	$C_{17}H_{35}.CO.NH_2$	$C_{18}H_{37}ON$	J., 1859, 367	s. 107·5	Carlet	B. S., 1, 79	v., 412
"	"	"	....	*107*	Hofmann	B., 15, 984	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Stearamide	$C_{17}H_{35}.CO.NH_2$	$C_{18}H_{37}ON$	....	109	Krafft and Stauffer	B., 15, 1730	**42**, 1274
Amidostearic acid	$C_{17}H_{34}(NH_2).CO_2H$	$C_{18}H_{37}O_2N$	....	63	Gautier and Etard	C. R., 97, 263	**46**, 89
Tetranitro-aurin	$C_{19}H_{10}(NO_2)_4O_3$	$C_{19}H_{10}O_{11}N_4$	....	140	Ackermann	B., 17, 1626	**46**, 1339
Furfurenylamidophenanthrol	$C_6H_4.C_6H_4.C\colon C.N\colon C(C_4H_3O).O$	$C_{19}H_{11}O_2N$	....	231	Japp and Wilcock	....	**39**, 227
Di(nitrophenylacetylene) dimethylketone	$Ac.CH(C\vdots C.C_6H_4.NO_2)_2 =(1.2)_2$	$C_{19}H_{12}O_6N_2$	....	d.w.m. 165	Baeyer & Landsberg	B., 15, 213	**42**, 972
Acridine picrate	$C_{13}H_9N+C_6H_2.OH.(NO_2)_3$	$C_{19}H_{12}O_7N_4$	....	begins 208	Anschütz	B., 17, 438	**46**, 908
β-naphthoquinoline picrate....	„	„	....	251–252	Skraup & Cobenzl	M. C., 4, 436	**44**, 1011
Phenylhydroxylacridine	$CPh.C_6H_4.N.C_6H_3.OH =1.2 ; 1.2.5$	$C_{19}H_{13}ON$	brown 260	incompletely 275	Hess and Bernthsen	B., 18, 696	**48**, 801
p-methylquinophthalone	$fr.C_6H_4\colon(CO)_2\colon CH.C_9H_5MeN.$	$C_{19}H_{13}O_2N$	....	203	Jacobsen & Reimer	B., 16, 2603	**46**, 335
Benzoyldinitrodiphenylamine	$Bz.N(C_6H_4.NO_2)_2=(1.2)_2$	$C_{19}H_{13}O_6N_3$	....	not pure	Lellmann	B., 15, 829	**42**, 1060
„	„ $=(1.4)_2$	„	A., 132, 167	224	„	B., 15, 828	„
Benzoyldinitroamidodiphenyl	$fr.Ph.C_6H_3.NHBz.NO_2=1.4.?$	„	A., 209, 346	206	Lüddens	B., 8, 873	**28**, 1258
Trinitrotriphenylmethane	$CH(C_6H_4.NO_2)_3(?)$	$C_{19}H_{13}O_6N_3$	....	203	Hemilian	B., 7, 1206	**28**, 153
„	„	„	....	206–207	Fischer	A., 194, 254	**36**, 384
α-Fluorene picrate	$fr.C_6H_4.CH_2.C_6H_4=(1.2)_2(?)$	$C_{19}H_{13}O_7N_3$	....	79–80	Fittig and Schmitz	A., 193, 134	**37**, 717
α- „ „	„ $=(1.2)_2$ or 1.2; 1.4	„	....	80–82	Græbe	A., 174, 194	„
β- „ „	„ =1.2; 1.3 or 1.2; 1.4	„	....	80–82	Barbier	A. C. [5], 7, 486; C. R., 77, 442	**31**, 71; **26**, 1226
β- „ „	„ „	„	....	81	Barth and Goldschmidt	G. J. C., 1878	**vii.**, 524
γ- „ „	„ $=(1.3)_2$	„	....	79–80	Carnelley	....	**37**, 717
? „ „	„ = ?	„	....	80	Fittig and Schmitz	A., 193, 115	**36**, 164
Trinitrotriphenylcarbinol	$HO.C(C_6H_4.NO_2)_3(?)$	„	A., 194, 256	171–172	Fischer	B., 11, 1079	**34**, 384, 791
Methylphenanthroline picrate	$C_{13}H_{10}N_2+C_6H_2.OH.(NO_2)_3$	$C_{19}H_{13}O_7N_6$	....	253	Skraup and Fischer	M. C., 5, 253	**48**, 393
Trinitrophenylicorthoformate	$CH(O.C_6H_4.NO_2)_3=(1.2)_3$	$C_{19}H_{13}O_9N_3$	....	182	Weddige	J. p. [2], 26, 445	**44**, 340
„	„ $=(1.4)_3$	„	....	232	„	J. p. [2], 26, 446	
Benzoxyazobenzene	$Ph.N_2.C_6H_4.OBz$	$C_{19}H_{14}O_2N_2$	....	136	Tschirvinsky	B., 6, 561	**26**, 1027; **vii.**, 151
Ethylic phenyleneamidine-p-toluate	....	„	....	242–243	Brückner	A., 205, 121	
„ „	....	„	....	242–243	Hübner	A., 210, 340	
Benzoylnitrodiphenylamine	$NPhBz.C_6H_4.NO_2=1.3$ or 1.4	$C_{19}H_{14}O_3N_2$	....	129	Lellmann	B., 15, 826	**42**, 1059
Nitrobenzamidodiphenyl	$Ph.C_6H_4.NH.CO.C_6H_4.NO_2 =1.4; 1.3$	„	....	142–143	Lüddens	B., 8, 873	**28**, 1258
„	„ „	„	....	143	....	A., 209, 346	
Trinitrotriphenylguanidine	$NO_2.C_6H_4.N\colon C(NH.C_6H_4.NO_2)_2=(1.3)_3$	$C_{19}H_{14}O_6N_6$	....	189	Losanitsch	B., 16, 50	**44**, 583
Methylcarbazole picrate	$(C_6H_4)_2\colon NMe+C_6H_2.OH.(NO_2)_3$	$C_{19}H_{14}O_7N_4$	....	141	Græbe and Alderskron	A., 202, 23	**38**, 660
Diphenylbenzamide	$Ph.CO.NPh_2$	$C_{19}H_{15}ON$	B., 15, 1288	176	Wallach	A., 214, 193	**44**, 49
„	„	„	....	*176·5–177*	Bernthsen	A., 192, 13	**34**, 788
„	„	„	...	....	Hofmann	A., 132, 166	
„	„	„	B., 15, 3013	180	Claus	B., 14, 2368	
Benzamidodiphenyl	$Ph.C_6H_4.NHBz=1.4$	„	....	*226*	Lüddens	B., 8, 872	**28**, 1258
„	„ „	„	....	226	Hübner	A., 209, 345	
„	„ „	„	....	230	Zimmermann	B., 13, 1968	**40**, 176
Nitroisodiphenylbenzenylamidine	$Ph_2N.CPh\colon N.NO$	$C_{19}H_{15}ON_3$	....	167–169	Bernthsen	A., 192, 18	**34**, 789
Triphenylcarbamide....	$NHPh.CO.NPh$	$C_{19}H_{16}ON_2$	....	136 n.c.	Michler	B., 9, 398, 715	
Benzoyldiphenylhydrazine	Ph_2N_2HBz	„	....	192	Fischer	A., 190, 178	**34**, 313
Phenoldiazobenzenediazotoluene	$Ph.N_2.C_6H_3(OH).N_2.C_6H_4Me(?)$	$C_{19}H_{16}ON_4$	....	110	Griess	B., 9, 628	**30**, 416
Phenylbidiazomethoxybenzene	$(Ph.N_2.)_2C_6H_3.OMe=1.3.4$	„	....	110	Nölting and Kohn	B., 17, 368	**46**, 902

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenylbidiazocresol	$(Ph.N_2.)_2C_6H_2Me.OH$ =(?)$_2$.1.2	$C_{19}H_{16}ON_4$	....	114–115	Nölting and Kohn	B., 17, 364	46, 902
„	„ =(?)$_2$.1.3	„	....	149	„	B., 17, 367	„
Azobenzene-azo-p-cresol	$Ph.N_2.C_6H_4.N_2.C_6H_3Me.OH$	„	....	160	„	B., 17, 354	46, 901
Anilidomethoxyquinone anilide	$C_6H_2(OMe)(NHPh).O.NPh$	$C_{19}H_{16}O_2N_2$	....	188–189	Zincké	B., 18, 788	48, 787
Dianilidotoluquinone	$C_6HMe(NHPh)_2:O_2$	„	....	232-233	„	B., 16, 1559	44, 1118
m-Nitrotriphenylguanidine....	fr. Ph.N : C(NHPh)$_2$	$C_{19}H_{16}O_2N_4$	....	159	Losanitsch	B., 16, 50	44, 583
a_1-Azotolueneresorcinolazobenzene	$C_6H_4Me.N_2.C_6H_2(OH)_2.N_2Ph$	„	....	189	Wallach	B., 15, 26	42, 610
a_1- „	„	„	....	195–196	Wallach and Fischer	B., 15, 2821	
β- „	„	„	....	204–206	„	B., 15, 2822	
a_2- „	„	„	....	a. 200	Wallach	B., 15, 26	42, 610
a_2- „	„	„	....	240–241	Wallach and Fischer	B., 15, 2822	
a_1-Azobenzeneresorcinolazotoluene	„	„	....	195–196	„	B., 15, 2823	
β- „	„	„	....	197–198	„	B., 15, 2824	
a_2- „	„	„	....	240–241	„	„	
Ethylic β-naphtholazobenzoate	$HO.C_{10}H_6.N_2.C_6H_4.CO_2Et$ =1.3	$C_{19}H_{16}O_3N_2$	....	104	Griess	B., 14, 2035	42, 49
Acetyl ?	....	„	....	190–191	Zincké	B., 15, 287	42, 735
Propylanilido-β-naphthaquinone	$Pr^aO.C_{10}H_5.O.NPh$	$C_{19}H_{17}O_2N$	....	103–104	„	B., 15, 283	
Isopropylanilido-β-naphthaquinone	$Pr^\beta O.C_{10}H_5.O.NPh$	„	....	99–100	„	„	
Ethyl toluido-β-naphthaquinone	$EtO.C_{10}H_5.O.N.C_6H_4Me$=1.4	„	....	132–133	„	B., 15, 287	
„ „	„ „	„	....	135–137	Zincké and Brauns	B., 15, 1970	44, 209
Nitrodiamidotriphenylmethane	$NO_2.C_6H_4.CH(C_6H_4.NH_2)_2$ =1.3; (?)$_2$	$C_{19}H_{17}O_2N_3$	....	136	Fischer and Ziegler	B., 13, 672	38, 662
β-naphtholazo-p-acetotoluide	$HO.C_{10}H_6.N_2.C_6H_3Me.NHAc$	„	....	275–276	Wallach	B., 15, 2830	
Diacetylamidomethylanthranol	$CH.C_6H_4.C(OAc).C_6H_2Me.NHAc$	$C_{19}H_{17}O_3N$	....	170	Römer and Link	B., 16, 706	44, 1138
Cusparin	....	„	....	92	Körner & Böhringer	G. I., 13, 363	46, 341
Methylapocinchenic acid	....	„	....	233–234	Comstock & Königs	B., 18, 2384	48, 1249
Benzenylisodiphenylamidine nitrate	$Ph_2N.CPh:NH+HNO_3$	$C_{19}H_{17}O_3N_3$?	....	115	Bernthsen	A., 192, 1	34, 788
Chelidonine	A., 29, 123, 131	„	....	130	Will	A., 35, 113	i., 850
Ethylic nitrodiphenylmethylpyrazene carboxylate	$NO_2.C_6H_4.C_3N_2MePh.CO_2Et$ =1.4	$C_{19}H_{17}O_4N_3$	....	128	Knorr and Jödicke	B., 18, 2258	48, 1247
„ „ „	„ =1.2	„	....	146	„	B., 18, 2260	48, 1248
Diamidotriphenylcarbinol	$HO.CPh(C_6H_4.NH_2)_2$	$C_{19}H_{18}ON_2$	A., 217, 241	b. 100	Döbner	B., 15, 234	42, 957
Benzaldehyde+benzidine	$(.C_6H_4.NH_2)_2+C_6H_5.OH$	„	....	231–232	Schiff	B., 11, 832	34, 668
Ethylic isomethyldiphenylpyrazene carboxylate	see orig. paper	$C_{19}H_{18}O_2N_2$	....	110	Knorr and Blank	B., 18, 932	48, 810
Ethylic methyldiphenylpyrazene carboxylate	„	„	....	121–122	„	B., 18, 312	48, 556
Acetomorphothebaïne	....	$C_{19}H_{18}O_4N$	....	183	Howard	B., 17, 531	46, 1202
Phenylcarbamidol	....	$C_{19}H_{19}ON_3$		a. 200	Lossen	B., 6, 1394	27, 255
Pararosaniline	$HO.C(C_6H_4.NH_2)_3=(1.4)_3$	„	A., 194, 274	abt. 180	Græbe	B., 12, 2142	
„ (A. C. (5), 8, 192)	„ „	„	....	200	Zimmermann and Müller	B., 17, 2936	
Ditamin	cf. A., 203, 147	$C_{19}H_{19}O_2N$	brown 130	75 u.c.	Jobst and Hesse	A., 178, 56	
Dihydrocinchonine	....	$C_{19}H_{20}ON_2$(?)	....	202–203	Comstock & Königs	B., 17, 1996	46, 1384
Ditoluyldiamidopyroracemic acid	....	$C_{19}H_{20}O_4N_2$	....	145	Böttinger	B., 14, 1600	40, 1033
Ornithuric acid	$C_4H_7(NHBz)_2.CO_2H$	„	B., 11, 406	182	Jaffe	B., 10, 1925	34, 584
Diethylic carboxamidobenzoate	$CO(NH.C_6H_4.CO_2Et)_2$ =(1.3)$_2$	$C_{19}H_{20}O_5N_2$	....	*160·5*	Wachendorff	B., 11, 702	vii., 166
„ „	„ „	„	....	162	Griess	J. p. [2], 4, 294	25, 81

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzpseudocumene urethane	$Me_3.Bz.(NH.CO_2Et)$ =1.3.4.?.6	$C_{19}H_{21}O_3N$	....	105	Fröhlich	B., 17, 2675	**48**, 154
Bebirine	....	„	....	180	Maclagan	A., 48, 111; 55, 105	
„	....	„	....	*198*	Planta	A., 77, 333	i., 526
Thebaïn	A., 86, 184; 153, 61; 176, 196	„	As., 8, 264	193	Hesse	A., 153, 61	vii., 1152
„	J., [1866], 823; [1867], 525	„	+aq.	12·5	....	....	v., 759
Diethylic phenyllutidine dicarboxylate	$N.Ph.Me_2.(CO_2Et)_2$ =1.2:4.6.3.5	$C_{19}H_{21}O_4N$	....	66–67	Schiff and Puliti	B., 16, 1608	**44**, 1151
Benzylnitroarbutin	....	$C_{19}H_{21}O_9N$	....	142–143 d.	Schiff	G. I., 13, 538	**46**, 433
Apoquinamine	....	$C_{19}H_{22}ON_2$	....	114 u.c.	Hesse	A., 207, 294	**40**, 924
Cinchonidine	....	„	....	175	....	....	i., 971
„	B., 14, 413	„	....	199–200	„	A., 205, 197	**40**, 291
„	....	„	....	200–201	„	B., 14, 1891	**42**, 228
„	A., 82, 147; 135, 333; 207, 310	„	....	201–203	„	B., 14, 1889	
„	....	„	....	200	Claus and Weller	B., 14, 1924	
„	....	„	....	205 u.c.	Hesse	A., 181, 58	**30**, 315
„	....	„	....	206·5	„	A., ?, 325	vi., 463
„	....	„	....	208 u.c.	„	A., 181, 58	**30**, 315
„	....	„	....	*210·5 c.*	Skraup and Vortmann	A., 197, 226	**36**, 948
β-Cinchonidine	....	„	....	206–207d; u.c.	Hesse	A., 205, 327	
Homocinchonidine	=Cinchonidine M.C., 2, 345	„	....	203–205	Claus and Bock	B., 13, 2191	**40**, 184
„	....	„	....	203–205	Claus and Buchler	B., 11, 1820	
„	....	„	....	205	Hesse	A., 205, 203	**40**, 292
„	....	„	....	205–206	„	B., 14, 46, 1890	**42**, 228
„	....	„	....	206·5 c.	„	B., 11, 1820	
Apocinchonine	....	„	B., 16, 384	209 u. c.	„	A., 205, 330	**40**, 616
Apocinchonidine	....	„	....	225 d.; u. c.	„	A., 205, 327	„
Cinchonine	....	„	....	150	Schwabe	J. P. [3], 38, 389	i., 974
„	....	„	....	165	....	....	„
„	slowly heated	„	....	236	Hesse	G. J. C. [1880]	
„	quickly heated	„	....	248–252	„	„	
„	....	„	....	240–250	„	A., 122, 231	vi., 463
„	....	„	....	260	Richter	R. K. T.	
„	....	„	....	268·8	Skraup	G. J. C. [1879]	
Toluquinol+aniline	$C_6H_3Me(OH)_2+2Ph.NH_2$	$C_{19}H_{22}O_2N_2$	....	82–85	Hebebrand	B., 15, 1974	
Apoconquinine	....	„	....	137 u. c.	Hesse	A., 205, 314	**40**, 616
Apoquinine	....	„	....	160 u. c.	„	A., 205, 323	„
Homoquinine (ultraquinine)	cf. B., 15, 379	„	+2 or $1H_2O$	177 u. c.	„	B., 15, 857	**41**, 66
Isoamylic diphenylallophanate	....	$C_{19}H_{22}O_3N_2$	....	58	Hofmann	B., 4, 248	**24**, 394; vii., 408
Chitenidine	....	$C_{19}H_{22}O_4N_2$	$+2H_2O$	240–246 d.	Forst & Böhringer	B., 15, 1660	**42**, 1307
Chitenine	Z. C. [1869], 594	„	$+4H_2O$	292 d.; u. c.	Skraup	A., 199, 352	
Dininitrocinchonamine	....	$C_{19}H_{22}O_6N_4$	....	118	Hesse	A., 225, 211	**48**, 65
Phenylhydrazinehelicin	$N_2HPh:CH.C_6H_4.O.C_6H_{11}O_5$ =1.2	$C_{19}H_{22}O_6N_2$	....	187	Tiemann and Kees	B., 18, 1660	**48**, 1072
Codethyline	....	$C_{19}H_{23}O_3N$	$+H_2O$	83	Grimaux	C. R., 92, 1140; A. C., [5], 27, 273	**40**, 829; **44**, 358
Methocodeïne	....	„	....	118·5	„	C. R., 93, 591; A. C. [5], 27, 273	**42**, 218; **44**, 359
„	....	„	....	118·5	Hesse	A., 222, 203	**46**, 614
Codamine	....	„	....	121	„	A., 153, 47	vi., 480
Diethylic p-tolyldimethylpyrroline dicarboxylate	$N(C_6H_4Me).Me_2.(COEt)_2$ =1.2.5.3.4	$C_{19}H_{23}O_4N$	....	67	Knorr	B., 18, 304	**48**, 555
Diethylic hydrophenyllutidine dicarboxylate	$N.Ph.Me_2.(CO_2Et)_2$ =1.2.4.6.3.5	„	....	156–157	Schiff and Puliti	B., 16, 1607	**44**, 1151
Œnanthol+benzidine	$(.C_6H_4.NH_2)_2+C_6H_{13}.COH$	$C_{19}H_{24}ON_2$	....	113–115	Schiff	B., 11, 832	**34**, 668
Dipropylphenylcarbamide	$CO(NH.C_6H_4Pr^{\alpha})_2$=(1.4)$_2$	„	....	205	Francksen	B., 17, 1224	**46**, 1008
Dicumylcarbamide	$CO(NH.C_6H_2Me_3)_2$=?	„	....	a. 290	Engel	B., 18, 2233	**48**, 1216
Dimesitylcarbamide	„ =(6.5.3.1)$_2$	„	....	a. 300	Eisenberg	B., 15, 1017	**42**, 956
Pereirine	....	„	....	abt. 124	Hesse	A., 202, 147	**38**, 676
Cinchonamine	....	„	....	184	„	B., 16, 62	**44**, 602

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Cinchonamine	....	$C_{19}H_{24}ON_2$	....	*184–185*	Hesse	A., 225, 211	**48**, 64
"	....	"	....	194–195	Arnaud	C. R., 93, 593	**42**, 229 ; **46**,
Hydrocinchonidine	....	"	....	225	Forst & Böhringer	B., 14, 1270	**40**, 1830
"	....	"	....	229	"	B., 15, 520	
" (cinchamidine)	cf. B., 14, 1683, 1893	"	....	*229–230 u. c.*	Hesse	A., 214, 1	**44**, 98
" (amorphous)	....	"	....	b. 100	"	"	"
Hydrocinchonine	J. p. [2], 8, 294	"	....	256 u. c.	"	B., 15, 855	
"	=cinchotin (?)	"	....	257–258	Skraup	B., 11, 314	**34**, 434
"	....	"	....	268	Caventou & Willm	Z. C. [2], 5, 547	**vi.**, 464
Cinchotin	cf. B., 14, 436, 1266 ; 15, 519	"	....	268	"	As., 7, 378	
"	cf. B., 11, 311, 1517	"	....	277·3 c.	Skraup	A., 197, 352	**36**, 948
Quinamidine	....	$C_{19}H_{24}O_2N_2$	....	93 u. c.	Hesse	A., 207, 293, 299	**40**, 925
Quinamicine	....	"	....	109 u. c.	"	A., 207, 303	"
Conquinamine (quinidamine)	....	"	....	121	"	A., 209, 62	**40**, 1156
" "	....	"	B., 14, 2248	123	Oudemanns	A., 209, 38	**40**, 1155
" "	....	"	A., 207, 289	*123*	Hesse	B., 10, 2158	**34**, 436
Geisospermine	....	"	$+H_2O$	160 d.	"	A., 202, 143	
Quinamine	A., 166, 266 ; 182, 163 ; 197, 48 ; 199, 333 ; 207, 288 ; 209, 42	"	J.[1874],874	172	"	B., 5, 266 ; 10, 2158	**25**, 721 ; **34**, 436 ; **vii.**, 346
Cinchonamine nitrate	$C_{19}H_{24}ON_2+HNO_3$	$C_{19}H_{25}O_4N_3$	....	195	"	A., 225, 211	**48**, 65
Ethylic benzamsebate	$CO_2H.C_6H_4.NH.CO.C_8H_{16}.CO_2Et$=1.3	$C_{19}H_{27}O_5N$	....	146	Pellizzari	B., 18, 216	**48**, 534
Tetranitroxaleïn	see orig. paper	$C_{20}H_8O_{14}N_4$	....	d.w.m. 200	Claus	B., 14, 2569	**42**, 399
Dinitro-β-naphthylene oxide	....	$C_{20}H_{10}O_5N_2$	A., 209, 140	221	Knecht & Unzeitig	B., 13, 1726	**40**, 281
" -α- " "	....	"	A., 209, 137	270	"	B., 13, 1725	"
Tetranitroisodinaphthyl	....	$C_{20}H_{10}O_8N_4$	....	150 d.	Staub and Smith	....	**47**, 106
Tetranitro-β-dinaphthylamine	....	$C_{20}H_{11}O_8N_5$	....	285–286	Ris and Weber	B., 17, 198	**46**, 752
Trinitrodibenzoresorcinol	$NO_2.C_6H_3(O.C_6H_4.NO_2)_2$ =4.3.1 ; $(1.3)_2$	$C_{20}H_{11}O_{10}N_3$	....	123	Schiaparelli and Abelli	G. I., 13, 257 ; B., 16, 873	**46**, 174
Dinitrazoxynaphthalene (?)....	....	$C_{20}H_{12}O_6N_4$	....	199	Liebermann	A., 183, 225	**31**, 600
β-dinitroisophthalophenone....	$C_6H_2Bz_2(NO_2)_2$=1.3.(?)$_2$	$C_{20}H_{12}O_6N_2$	B., 13, 322	100	Ador	B. S. [2], 33, 56	**38**, 470
α- "	" "	"	"	260	"	"	
Dibenzoyldinitrophenol	....	$C_{20}H_{12}O_7N_2$	....	201	Goldstein	B. S. [2], 25, 394	**30**, 298
Acridylbenzoic acid	$C_6H_4.N.C_6H_4.C.C_6H_4.CO_2H$	$C_{20}H_{13}O_2N$	....	d. a. 300	Bernthsen & Traube	B., 17, 1511	**46**, 1183
Dinitro-β-dinaphthylamine....	....	$C_{20}H_{13}O_4N_3$	....	224–225	Ris and Weber	B., 17, 197	**46**, 752
Nitrodibenzoresorcinol	$C_6H_3(OBz)_2.NO_2$=1.3.4	$C_{20}H_{13}O_6N$	B., 16, 872	107	Schiaparelli and Abelli	G. I., 13, 257	**46**, 174
Phenanthrene picrate	$C_{14}H_{10}+C_6H_2.OH.(NO_2)_3$	$C_{20}H_{13}O_7N_3$	....	141	Japp and Wilcock	....	**37**, 664, 670
" "	"	"	....	143	"	....	**37**, 664
" "	"	"	....	143	Japp	....	**37**, 410
" "	"	"	....	143	Fittig & Ostermeyer	A., 166, 361	**26**, 892
" "	"	"	....	143	Limpricht	B., 6, 533	**26**, 897
"	"	"	....	143	Hayduck	G. J. C., 1873	**vii.**, 85
"	"	"	....	144	Græbe	B., 5, 862	**26**, 176
" "	"	"	....	*144*	Goldschmidt and Schidt	W. A., 83, 7	**40**, 824
" "	"	"	....	145	Græbe	A., 167, 131	**26**, 894
Anthracene picrate	"	"	....	138 (?)	"	G. J. C., 1869	
" "	"	"	....	*170*	Fritzche	A., 109, 249	**iv.**, 351
Phthalidanilide	$C_6H_4.CO.NPh.C:NPh$=1.2	$C_{20}H_{14}ON_2$	....	152–153	Gerichten	B., 13, 420	**38**, 474
o-benzoylbenzoic phenylhydrazide	see orig. paper	"	....	180–182	Roser	B., 18, 805	**48**, 797
Nitroso-α-dinaphthylamine....	$(C_{10}H_7)_2N.NO$	"	....	260	Calm	B., 15, 615	**42**, 972
" "	"	"	....	260–262 d.	Landshoff	B., 11, 641	**34**, 587
Phenanthraquinone hydrazine	....	"	....	165	Zincké	B., 16, 1564	**44**, 1135
Diphenylamine phthaleïn	$(Ph_2N)_2C.C_6H_4.COO$=1.2	$C_{20}H_{14}O_2N_2$	....	238–238·5	Piutti	G. J., 13, 542	**46**, 451

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Kynuremic acid	Z. P. C., 5, 68	$C_{20}H_{14}O_6N_2$	A., 164, 155	265 d.	Schmidberg and Schultzien	[2], 10, 1028	vii., 716
Trinitroaniline anthracene	$C_{14}H_{10}+C_6H_2.NH_2.(NO_2)_3$	$C_{20}H_{14}O_6N_4$	....	165–170	Liebermann & Palm	B., 8, 378	
Triphenylguanidine carbamide	Ph.N : C : $(NPh)_2$: CO	$C_{20}H_{15}ON_3$	....	134	Michler and Keller	B., 14, 2181	**42**, 182
" "	"	"	$+H_2O$	141	"	"	"
Benzoylbenzenyltriamidobenzene	NHBz.C_6H_3.NH.CPh : N =1.3.2 or 4	"	$+H_2O$	125–*214*	Ruhemann	B., 14, 2653	**42**, 391
Dibenzanilide	....	$C_{20}H_{15}O_2N$	....	*136*	Higgin	B., 12, 678	**41**, 133
"	....	"	J. [1856], 501	137	Gerhardt	A., 87, 302	**29**, 272
"	....	"	....	*155*	Losanitch	B., 6, 176	**26**, 758
"	....	"	....	160	Higgin	....	**41**, 133
"	....	"	....	161	Steiner	A., 178, 235	**29**, 272
Benzamidobenzophenone	Ph.CO.C_6H_4.NHBz	"	....	150	Higgin	....	**41**, 131
"	"	"	A., 210, 271	*152*	Döbner and Weiss	B., 14, 1438	**42**, 176
"	"	"	....	170	Higgin	....	**41**, 134
Benzamidobenzoxybenzene	C_6H_4.OBz.NHBz=1.2	$C_{20}H_{16}O_3N$	B., 15, 370	*176*	Hübner	A., 210, 387	**42**, 506
"	" "	"	....	182	Kalckhoff	B., 16, 1828	**44**, 1110
"	" =1.4	"	....	231	Ladenburg	B., 9, 1529	**31**, 305
Diphenylphthalmic acid	NPh_2.CO.C_6H_4.CO_2H	"	....	147–148	Piutti	G. I., 13, 542	**46**, 451
?	....	"	....	260	Burkhardt	A., 202, 121	**38**, 657
Diacetyl oxyquinonimide	$C_{16}H_9$(OAc).O.NAc	$C_{20}H_{15}O_4N$	....	200–201	Breuer and Zincké	B., 11, 1998	**36**, 328
Dibenzdiamidonitrobenzene	$(NHBz)_2.NO_2$=1.3.2 or 4	$C_{20}H_{16}O_4N_3$	....	222	Ruhemann	B., 14, 2653	**42**, 391
Dibenzdiamidonitrophenol	OH.$(NHBz)_2.NO_2$=1.2.4.?	$C_{20}H_{16}O_5N_3$	....	167–170	Post	A., 205, 70	
"	" =1.2.6.?	"	....	201–202	"	A., 205, 84	
Acetoxydiacetamidoanthraquinone	$C_{14}H_6(OAc)(NAc_2)$: O_2	$C_{20}H_{15}O_6N$	....	257	Bourcart	B., 12, 1419	**38**, 263
Dibenzoylphenylhydrazine	$C_6H_5.N_2HBz_2$	$C_{20}H_{16}O_2N_2$	....	177–178	Fischer	A., 190, 128	**34**, 309
"		"	....	187–188 u.c.	"	B., 8, 591	**28**, 1035
Dibenzdiamidobenzene	$C_6H_4(NHBz)_2$=1.3	"	....	240	Ruhemann	B., 14, 2652	**42**, 391
α-Diamidodiphenylphthalide	C_6H_4.CO.O.C$(C_6H_4.NH_2)_2$	"	....	179–180	Baeyer	A., 202, 66	**38**, 652
β- "	"	"	....	205	"	A., 202, 67	
Diacetdiamidodiphenyldiacetylene	(.C : C.C_6H_4.NHAc$)_2$=$(1.2)_2$	"	....	231	Baeyer & Landberg	B., 15, 61	**42**, 623
Diimidophenolphthaleïn	C_6H_4[C(: NH).C_6H_4.OH$]_2$	"	A., 202, 112	265–266	Baeyer & Burkhardt	B., 11, 1298	**34**, 866
Phenylazobenzoxytoluene	Ph.N_2.C_6H_3Me.OBz=?.1.2	"	....	110–111	Nölting and Kohn	B., 17, 354	**46**, 902
"	" =?.1.4	"	....	113	"	B., 17, 364	**46**, 901
β-Diamidisophthalophenone	$(NH_2)_2.Bz_2$=$(?)_2$.1.3	"	p.d. 70	abt. 100	Ador	B. S. [2], 33, 56; B., 13, 322	**38**, 471
Acetoxybenzenebidiazobenzene	$(Ph.N_2)_2C_6H_3$.OAc=1.3.4	$C_{20}H_{16}O_2N_4$	....	116	Nölting and Kohn	B., 17, 369	**46**, 902
α-Dibenzdiamidophenol	OH.$(NHBz)_2$=?	$C_{20}H_{16}O_3N_2$	....	187–188	Stuckenberg	A., 205, 68	
β- "	" =1.2.6	"	B., 10, 386	209–213	"	A., 205, 82	**32**, 475
Resorcinol phenyl carbamate	C_6H_4(O.CO.NHPh$)_2$=1.3	$C_{20}H_{16}O_4N_2$	....	164	Snape	....	**47**, 772
Catechol " "	" =1.2	"	....	165	"	....	"
Quinol " "	" =1.4	"	darkens 200	205–207	"	....	**47**, 773
Dinitrodibenzylbenzene	$C_6H_4(CH_2.C_6H_4.NO_2)_2$ =1.?; $(1.4)_2$	"	....	146	Basler	B., 16, 2716	**46**, 310
"	" =1.?; $(1.3)_2$	"	....	165	Becker	B., 15, 2092	**44**, 203
Carbonyltriphenylguanidine nitrate	NPh.CO.NPh.C : NPh $+HNO_3$	$C_{20}H_{16}O_4N_4$	....	185	Stojentin	J. p., 32, 1	**48**, 1196
Ethylcarbazole picrate	$(C_6H_4)_2NEt+C_6H_2$.OH.$(NO_2)_3$	$C_{20}H_{16}O_7N_4$	....	97	Græbe and Adlerskron	A., 202, 23	**36**, 660
Benzyl diphenylacetoxime	CPh_2 : N.O.CH_2Ph	$C_{20}H_{17}ON$	....	55–56	Spiegler	M. C., 5, 203	**46**, 1156
Benzoylbenzylanilide	Ph.NBz.CH_2Ph	"	....	104	Fleischer	A., 138, 229	
Methylphenylacridium hydroxide	C_6H_4.CPh.C_6H_4.NMe.OH	"	....	108	Bernthsen and Bender	B., 16, 1813	**44**, 1133
?	PhN : C(NHPh).CO.NHPh	$C_{20}H_{17}ON_3$	....	234–235	Klinger	A., 184, 281	**31**, 711
β-Triphenylbiuret	....	$C_{20}H_{17}O_2N_3$	....	105	Schiff	B., 3, 651	vii., 253
α- "	....	"	....	147	Hofmann	B., 4, 250	**24**, 395; vii., 19

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Berberine	....	$C_{20}H_{17}O_4N$	....	120	....	....	i., 579
?-Nitrodibenzylcatechol	$(O.CH_2Ph)_2.NO_2$=1.2.?	" (?)	....	98	Pellizzari	G. I., 13, 501	46, 437
Nitrobenzeneazoxyleneazo-resorcinol	$NO_2.C_6H_4.N_2.C_6H_2Me_2.N_2.C_6H_3(OH)_2$ = 1.4 ; ?.1.3.? ; 4.3.1	$C_{20}H_{17}O_4N_5$	....	231	Meldola	....	43, 436
Berberine hydroxide	....	$C_{20}H_{17}O_5N$	....	165	Schmidt	B., 16, 2589	46, 340
Diphenyltolylcarbamide ...	$NPh_2.CO.NH.C_6H_4Me$=1.4	$C_{20}H_{18}ON_2$	....	130 u.c.	Michler	B., 9, 713	
Anilidomethoxytoluquinone anilide	$C_6HMe(OMe)(NHPh).O.N$ Ph	$C_{20}H_{18}O_2N_2$	....	131	Zincke	B., 16, 1561	44, 1118
Anilidoethoxyquinoneanilide	$C_6H_2(OEt)(NHPh).O.NPh$	"	....	134	"	B., 18, 788	48, 787
Diphenylphenylenedicarbamide	$C_6H_4(NH.CO.NHPh)_2$=1.3	$C_{20}H_{18}O_2N_4$	....	very high	Kühn	B., 18, 1478	48, 979
α-Resorcinolbidiazotoluene	$(HO)_2.C_6H_2(N_2.C_6H_4Me)_2$ =1.3.(?)$_2$; (1.2)$_2$	"	....	194–195	Wallach and Fischer	B., 15, 2825	
β- "	" "	"	....	?	"	"	
β- "	" =1.3.(?)$_2$; (1.4)$_2$	"	....	202–203	"	"	
α- "	" "	"	....	255–256	"	"	
Di-(amido-p-methoxybenzene) quinone	$O_2:C_6H_2(C_6H_3.NH_2.OMe)_2$	$C_{20}H_{18}O_4N_2$	....	230	Zincke and Hebebrand	A., 226, 60	46, 258
Isopropyl-β-naphthaquinone-p-toluide	....	$C_{20}H_{19}O_2N$	....	137–139	Zincke and Brauns	B., 15, 1970	44, 209
Ethylapocinchenic acid	....	$C_{20}H_{19}O_3N$	....	161–162	Comstock & Königs	B., 18, 2384	48, 1249
" "	....	"	$+H_2O$	124–126	"	"	"
Macleyine	....	$C_{20}H_{19}O_5N$	....	200·5–201	Eykmann	P. J. T. [3], 13, 87	42, 1112
"	....	"	....	205	"	C. C. [1884], 727	48, 404
Protopine	....	"	....	202	Hesse	As., 8, 318, B., 4, 696; Z.C., 7, 653	24, 1065 ; vii., 1025
Isobutylnaphthalene picrate	$C_{10}H_7.Bu^{\beta}+C_6H_2.OH.(NO_2)_3$	$C_{20}H_{19}O_7N_3$	....	96	Wegscheider	M. C., 5, 236	46, 1185
Triphenylethylcarbamide	$NPh_2.CO.NPhEt$	$C_{20}H_{20}ON_2$	....	needles	Michler	B., 9, 712	30, 290
Fr. quinolinemethochloride....	....	"	a. 360	72–75	Ostermeyer	B., 18, 594	
?	$C_9NH_7Me)_2O$	"	....	112	"	C. C. [1884], 970	48, 672
Base from rosaniline	....	$C_{20}H_{20}O_2N_2$	....	176	Liebermann	B., 5, 144	vii., 1061
Diacetyl-p-tolylamido-p-methyloxindole	cf. B., 18, 195	$C_{20}H_{20}O_3N_2$	....	147	Duisberg	B., 18, 193	48, 544
Aniline phthalate	$C_6H_4(CO_2H.NH_2Ph)_2$=1.2	$C_{20}H_{20}O_4N_2$	B., 12, 1067	145–146	Beamer and Clarke	A. C. J., 1, 245	36, 786
Dinitro-α-dipropylcarbobenzoic acid	....	$C_{20}H_{20}O_6N_2$	....	176	Zagoumenny	A., 184, 171	32, 195
?	....	$C_{20}H_{20}O_6N_4$	d. 240	97	Tönnies	B., 13, 1846	
Oxycannabine	....	$C_{20}H_{20}O_7N_2$	J., 1871, 786	175–176	....	Z. C. [1870], 87	
Tetracetamidodihydroxyphenylquinone	$[.C_6H_4(OH)(NHAc)_2.O.]_2$ =(1.2.4.6)$_2$	$C_{20}H_{20}O_8N_4$	....	268	Bamberger	B., 16, 2402	46, 309
?	$=2C_{10}H_{10}O_6N$	$C_{20}H_{20}O_{12}N_2$	"	252	Prinz	J. p. [2], 24, 361	
Ethylapocinchene	$C_{18}H_{16}N.OEt$	$C_{20}H_{21}ON$	"	70–71	Comstock & Königs	B., 18, 2382	48, 1249
Galipeine	....	$C_{20}H_{21}O_3N$	"	115·5	Körner & Böhringer	G. I., 13, 363	46, 341
Chinine	....	$C_{20}H_{22}ON_2$	$+2H_2O$	81–82	Comstock & Königs	B., 17, 1989	46, 1383
Allylphthalopseudocumidamide	$C_6H_2Me_3.NH.CO.C_6H_4.CO.NH.C_3H_5$	$C_{20}H_{22}O_2N_2$	....	179 d.	Fröhlich	B., 17, 1808	46, 1319
Benzil on propionitril	....	$C_{20}H_{22}O_3N_2$	....	197	Japp and Tresidder	B., 16, 2652	46, 314
Azocumic acid	$N_2(C_6H_3Pr.CO_2H)_2$	$C_{20}H_{22}O_4N_2$	....	262	Alexejeff	J. R. [1882], 198	42, 971
" "	"	"	....	280 d.	"	B. S., 42, 321	48, 390
Diethylic azophenoxyacetate	$N_2(C_6H_4.O.CH_2.CO_2Et)_2$ =(1.2)$_2$	$C_{20}H_{22}O_6N_2$	....	110–111	Thate	J. p. [2], 29, 145	46, 1171
Diethylic azoxyphenoxyacetate	$ON_2(C_6H_4.O.CH_2.CO_2Et)_2$ =(1.2)$_2$	$C_{20}H_{22}O_7N_2$	....	113–114	"	"	46, 1170
?-glucoside	$NH_2.CO_2.C_6H_4.N:CH.C_6H_4.O.C_6H_{11}O_5$=1.3 ; 1.2	"	$+2H_2O$	113	Schiff	A., 218, 185	46, 455
Acetylcodeine	$C_{18}H_{20}AcO_3N$	$C_{20}H_{23}O_4N$	cf. 27, 1031	133	Hesse	A., 222, 203	46, 614
Toluquinol+o-nitraniline	$C_6H_3Me(OH)_2+C_6H_4.NO_2.NH_2$	$C_{20}H_{23}O_4N_3$	....	37	Hebebrand	A., 15, 1976	44, 61
Helicin m-amidobenzoic acid	$COH.(CH.OH)_4.CH_2.O.C_6H_4.CH(OH).NHC_6H_4.CO_2H$	$C_{20}H_{23}O_9N$	....	142	Schiff	B., 12, 2033	38, 126

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
?	....	$C_{20}H_{24}ON_2$	....	205	Claus and Dannenbaum	B., 13, 2187	40, 183
Methylcinchonine	A., 90, 219; J.p. (2), 3, 151	"	....	74	Claus and Müller	B., 13, 2292	
Methylcinchonidine	A., 90, 221	"	$+H_2O$	75–76 u.c.	Claus and Dannenbaum	B., 13, 2192	40, 184
Suberanilide	$C_6H_{12}(CO.NHPh)_2$	$C_{20}H_{24}O_2N_2$	....	183	Laurent & Gerhardt	A. C. [3], 24, 185	v., 449
Toluquinol+aniline	$C_6H_3Me(OH)_2+(Ph.NH_2)_2$	"	....	82–85	Heberand	B., 15, 1974	44, 61
Quinol+toluidine	$C_6H_4(OH)_2+(C_6H_4Me.NH_2)_2$ =1.4)$_3$	"	....	95–98	"	"	"
Diacetdiamidodiethyldiphenyl	$(.C_6H_3Et.NHAc)_2$=(?.1.2)$_2$	"	....	307	Schultz	B., 17, 474	46, 904
Quinicine	A., 166, 277; 178, 244	"	J. [1853], 473	60	Richter	R. K. T., 413	24, 61; 25, 101
Homoquinine (?)	....	" (?)	+2 to 2½H_2O	nf. 100	Hesse	A., 225, 95	46, 1384
Quinidine	....	"	....	160	....	....	v., 14
Conquinine (cf. B., 10, 3010)	A., 129, 15; 146, 362; 207, 309	"	+2½H_2O	168			
Quinine	A., 207, 309; M. C., 2, 612	"	....	176·8	Hesse	A., 135, 328	vi., 983
"	....	"	....	177	"	B., 10, 2153	34, 434
"	....	"	$+3H_2O$	57	"	"	"
Hydrazocumic acid	$(.NH.C_6H_3Pr.CO_2H)_2$	$C_{20}H_{24}O_4N_2$	....	?	Alexeeff	B. S., 42, 321	48, 390
Tetramethoxydiacetamidodiphenyl	$[.C_6H_2(OMe)_3.NHAc]_2$ =(1.4.?)$_2$	$C_{20}H_{24}O_6N_2$	....	251	Baessler	B., 17, 2128	46, 1331
Phenylhydrazine glucovanillin	$C_6H_3(CH:N_2HPh).OMe.(O.C_6H_{11}O_5)$=1.3.4	$C_{20}H_{24}O_7N_2$	....	195	Tiemann and Kees	B., 18, 1661	48, 1072
Codamine	....	$C_{20}H_{25}O_4N$	....	121	Hesse	A., 153, 56	24, 1064
"	....	"	....	*126*	"	B., 4, 694; As., 8, 280; Z. C. [2], 7, 641	25, 723; vii., 369, 723
Laudanine	....	"	....	165	"	A., 153, 53	vi., 774
"	....	"	A., 176, 201	166	"	B., 4, 694; As., 8, 272	24, 1064
Methylcinchonamine	....	$C_{20}H_{26}ON_2$	....	139	"	A., 225, 211	48, 66
Cinchamidine....	=Hydrocinchonidine (?).	"	A., 214, 1	229	Forst & Böhringer	B., 15, 520	
"	....	"	....	230 u.c.	Hesse	B., 14, 1684, 1893	40, 1046
Hydroquinidine (Hydroconquinine)	....	$C_{20}H_{26}O_2N_2$	B., 15, 1656	166–167	Forst & Böhringer	B., 14, 1955	
" "	....	"	....	168 u.c.	Hesse	B., 15, 855	42, 1113
Hydroquinine	....	"	....	168 u.c.	"	B., 15, 856	"
"	....	"	$+H_2O$	100	Schutzenberger	A., 108, 347	v., 25
Azodiethoxybenzene....	$N_2[C_6H_3(OEt)_2]_2$=(?.4.1)$_2$	$C_{20}H_{26}O_4H_2$	....	128	Nietzki	B., 12, 39; As., 215, 149	36, 464
Sabadilline	....	$C_{20}H_{26}O_5N_2$	....	200	Couerbe	A. C. [2], 52, 352	v., 142
Cystine	....	$C_{20}H_{27}ON_3$	J. [1880], 370	154·5 c.	Husemann & Marme	Z. C. [2], 1, 161; 5, 677	vi., 540
α-phenylhydrazidoisobutyrimide	$(PhN_2H_2.CMe_2.CO)_2NH$	$C_{20}H_{27}O_2N_5$	....	117	Reissert	B., 17, 1461	46, 1153
Echitenine	....	$C_{20}H_{27}O_4N$	....	a. 120	Hesse	A., 203, 164	40, 448
Codethyline methhydroxide	$C_{19}H_{23}O_3N+Me.OH$	"	C. R., 93, 591	132	Grimaux	A. C. [5], 27, 273	44, 359
Amygdaline	....	$C_{20}H_{27}O_{11}N$	$+3H_2O$	125–130	Richter	R. K. T., 414	
"	....	"	....	*200*	"	"	
Tetrethoxydiamidodiphenyl	$[.C_6H_2(OEt)_2.NH_2]_2$=(?.1.4.?)$_2$	$C_{20}H_{28}O_4N_2$	A., 215, 148	129	Nietzki	B., 12, 40	36, 464
Oxethenetoluidine oxalate	$C_6H_4Me.NH.C_2H_4.OH + H_2C_2O_4$	$C_{20}H_{28}O_6N_2$	....	121–122	Demole	B., 7, 637	27, 903
Hydrosabadilline	....	"	....	165	Couerbe	A. C. [2], 52, 352	v., 142
Ethylene hydrocyanconiine....	$C_2H_4[N(OH).C_9H_{13}N]_2$	$C_{20}H_{30}O_2N_4$	....	153·5	Meyer	J. p. [2], 26, 351	44, 353
Dicamphorilimide	....	$C_{20}H_{31}O_2N$	....	160	Schiff	B., 13, 1405	38, 892
Myristanilide	$C_{13}H_{27}.CO.NHPh$	$C_{20}H_{33}ON$	A., 202, 174	84	Masino	G. I., 10, 72	38, 460
Achilleine	....	$C_{20}H_{38}O_{15}N_2$	....	100	Reichnan	A., 58, 27; 155, 153	vii., 21
Nitroarachidic acid	$C_{19}H_{38}(NO_2).CO_2H$	$C_{20}H_{39}O_4N$	B., 11, 2031	70	Tassinari	G. I., 8, 305	36, 307
Nonyldecoxylcarbamide	$C_9H_{19}.NH.CO.NH.C_{10}H_{19}O$	$C_{20}H_{40}O_2N_2$	....	101	Hofmann	B., 15, 761	42, 1053
Arachamide	$C_{19}H_{39}.CO.NH_2$	$C_{20}H_{41}ON$	....	98–99	Gossamann	A., 97, 262	i., 353
Amidoarachidic acid....	$C_{19}H_{38}(NH_2).CO_2H$	$C_{20}H_{41}O_2N$	B., 11, 2031	59	Tassinari	G. I., 8, 305	36, 307

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Alkaloid from lupin seed	$C_{20}H_{46}O_4N_2$(?)	$C_{20}H_{44}O_3N_2$(?)	261	....	Siewert	Lw., 14, 161	**25**, 519 ; **vii.**, 758
Tetranitro-β-dinaphthylmethane	$CH_2[C_{10}H_5(NO_2)_2]_2$	$C_{21}H_{12}O_8N_4$	....	150–160	Richter	B., 13, 1728	**40**, 282
„ α- „	„	„	....	d.w.m. 260–270	Grabowski	B., 7, 1608	
Benzenylamidophenanthrol....	$C_6H_4.C_6H_4.C:C.O.CPh:N$	$C_{21}H_{13}ON$	....	202	Japp and Wilcock	....	**37**, 667 ; **39**, 226
Benzoylphthalylanilide	$C_6H_4:(CO)_2:N.C_6H_4Bz$ =1.2 ; 1.?	$C_{21}H_{13}O_3N$	A., 210, 267	183	Döbner	B., 13, 1013	**38**, 804
Dinitrobenzilam	....	$C_{21}H_{13}O_5N_3$	....	275–280	Henius	A., 228, 339	**48**, 1067
Amylnaphthalene picrate	$C_{15}H_{10}+C_6H_2.OH.(NO_2)_3$	$C_{21}H_{13}O_7N_3$	....	140–141	Paterno	G. I., 22, 337	**44**, 212
Fluoranthene picrate	„	„	....	110 (?)	Goldschmidt and Schidt	W. A., 83, 7	**40**, 824
„	„	„	A., 193, 146	*182–183*	Fittig and Gebhard	B., 10, 2142	**34**, 432
„	„	„	....	184	Goldschmidt	B., 10, 2029	**34**, 155
Anhydro-o-hydroxybenzoyl-diamidophenanthrene	$C_6H_4.C_6H_4.C:C.N:C(C_6H_4.OH).NH$	$C_{21}H_{14}ON_2$	....	270–276 d.	Japp & Streatfield	....	**41**, 146
„ p- „	„	„	black 300	a. 350 d	„	....	**41**, 151
Nitrobenzilam	....	$C_{21}H_{14}O_3N_2$	....	178–182	Henius	A., 228, 339	**48**, 1067
Phthalamidobenzanilide	$NHPh.CO.C_6H_4.N:(CO)_2:C_6H_4$=1.? ; 1.2	„	....	207–209	Piutti	B., 16, 1322	**44**, 999
Dinitrophthalacene	....	$C_{21}H_{14}O_4N_2$	....	d.a. 270–280	Gabriel	B., 17, 1398	**46**, 1190
Dinitrolophine	....	$C_{21}H_{14}O_4N_4$	....	100	Ekman	A., 112, 161	
β-naphthoic α-naphthalide	$C_{10}H_7.CO.NH.C_{10}H_7$	$C_{21}H_{15}ON$	....	157	Vieth	A., 180, 325	**30**, 87
α- „ α- „	„	„	....	244 c.	Hofmann	A., 142, 121 ; B., 1, 42	**vi.**, 851
Oximidophthalacene....	$C_{21}H_{14}:NOH$	„	....	265–266	Gabriel	B., 17, 1398	**46**, 1190
Phenylacetoxyacridine	$CPh.C_6H_4.N.C_6H_3.OAc$	$C_{21}H_{15}O_2N$	....	173–174	Hess & Bernthsen	B., 18, 697	**48**, 801
Benzamidobenzenylazoximebenzenyl	$N:CPh.O.N:C.C_6H_4.NHBz$ =1.3	$C_{21}H_{15}O_2N_3$	....	213	Schöff	B., 18, 2474	**48**, 1217
Triphenylic cyanurate	$C_3N_3O_3Ph_3$	$C_{21}H_{15}O_3N_3$	....	214–216;222c.	Schiff	....	**vii.**, 253, 407
„ „	„	„	....	*224*	Hofmann and Olshausen	B., 3, 275, 765 ; P. R., 18, 493	**24**, 136 ; **vii.**, 407, 410
„ isocyanurate	„	„	....	260	Hofmann	B., 3, 765	„
„ „	„	„	....	264	„	B., 3, 268	
„ „	„	„	....	*270*	„	B., 18, 765	**48**, 774
β-tribenzhydroxylamine	....	$C_{21}H_{15}O_4N$	....	100	Steiner	A., 178, 237	**29**, 271
β- „	....	„	A., 186, 104	100	Lossen	A., 175, 282	**28**, 635
γ- „	....	„	A., 186, 33, 107	112	Steiner	A., 178, 240	**29**, 272
α- „	....	„	....	141	Lossen	A., 162, 360	**25**, 416 ; **vii.**, 155
α- „	....	„	....	141–142	„	A., 175, 282	**28**, 635
α- „	....	„	....	142	Steiner	A., 178, 225	**29**, 271
α- „	....	„	A., 186, 106	143–145	Heintz	Z. C. (2), 5, 733	**vi.**, 725
Nitrobenzoinbenzoate	....	$C_{21}H_{15}O_6N$	....	137	Zinin	A., 104, 119	**i.**, 560
Alizarin blue diacetate	$C_6H_4:(CO)_2:C_6H(OAc)_2.N:CH.CH:CH_2$=2.1 ; 1.2.3.4.6	$C_{21}H_{15}O_6N$	....	224·5	Auerbach	....	**35**, 804
Trinitroamarine	....	$C_{21}H_{15}O_6N_5$	....	b. 100	Bertagnini	A., 79, 276	**i.**, 162
Methanthrene picrate	$C_{15}H_{12}+C_6H_2.OH.(NO_2)_3$	$C_{21}H_{15}O_7N_3$	....	117	Oudemanns	J. p. [2], 9, 419	
Fluoranthene hydride	„	„	....	186	Goldschmidt	M. C., 1, 225	**40**, 284
α-dinaphthylcarbamide	$CO(NH.C_{10}H_7)_2$	$C_{21}H_{16}ON_2$	B., 12, 386	270 d.	Pagliani	G. I., 9, 28	**36**, 723
„	„	„	a. 300 p.d.	Solid	....	....	**iv.**, 22
p-hydroxyllophine	$NH.CPh:CPh.N:C.C_6H_4.OH$	„	....	254–255	Japp and Robinson	B., 15, 1269	**41**, 326
Dibenzenylamidobenzoic acid	$(C_7H_6.N)_2C_6H_3.CO_2H$	$C_{21}H_{16}O_2N_2$	....	253·5–254·5	Ladenburg	B., 11, 595, 1657	**34**, 572
Dinitrodicinnamenylvinyl ketone	$CO(CH:CH.CH:CH.C_6H_4.NO_2)_2$=1.2	$C_{21}H_{16}O_5N_2$	....	208·5	Diehl and Einhorn	B., 18, 2328	**48**, 1222

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetylhydrophenylacridine....	$NAc.C_6H_4.CHPh.C_6H_4 =(1.2)_2$	$C_{21}H_{17}ON$	....	128	Bernthsen & Bender	B., 16, 1816	**44**, 1134
Benzoylbenzenyltriamidotolnene	$N\colon CPh.NH.C_6H_2Me.NHBz =1.2.4.3$ or 5	$C_{21}H_{17}ON_3$	....	195–218	Ruhemann	B., 14, 2657	**42**, 392
Acetophenonebenzanilide	$Ph.CO.CH_2.NBzPh$	$C_{21}H_{17}O_2N$	....	145	Möhlau	B., 15, 2471	**44**, 333
Xanthorocellin	....	$C_{21}H_{17}O_2N_2$(?)	....	183	Stenhouse & Groves	A., 185, 17	**31**, 719
Ketone	$Ph.(CH\colon CH)_2.CO.(CH\colon CH)_2.C_6H_4.NO_2=1.2$	$C_{21}H_{17}O_3N$	....	136·5	Diehl and Einhorn	B., 18, 2329	**48**, 1222
Hydrocyanrosolic acid	$HO.C_6H_3(CH_2.C_6H_4.O.)_2 +HCN$	,,	....	d.w.m. 200	Græbe and Caro	A., 179, 199	**29**, 590
Dibenzdiamidonitrotoluene....	$Me.(NHBz)_2.NO_2=1.2.4.3$ or 5	$C_{21}H_{17}O_4N_3$	....	245	Ruhemann	B., 14, 2656	**42**, 392
Dinitramarine nitrate	$C_{21}H_{16}N_2(NO_2)_2+HNO_3$	$C_{21}H_{17}O_7N_5$	....	170 u.c.	Claus and Witt	B., 18, 1672	**48**, 1063
Methyldibenzoylphenylhydrazine	$Ph.NBz.NBz.Me$	$C_{21}H_{18}O_2N_2$	....	145	Tafel	B., 18, 1740	**48**, 1061
Dibenzoyltolylhydrazine	$C_6H_4Me.N_2HBz_2$	,,	....	188	Fischer	B., 8, 592	**28**, 1035
Benzylidene dibenzimide	....	,,	....	197	Roth	A., 154, 76	vii., 184
Dibenzdiamidotoluene	$Me.(NHBz)_2=1.2.4$	,,	....	224	Ruhemann	B., 14, 2656	**42**, 392
,, ...	,, $=1.3.4$	,,	....	260–261	Hübner	A., 208, 315	
Tolylazobenzoylcresol	$C_6H_4Me.N_2.C_6H_3Me.OBz =1.4; ?.1.4$	,,	....	95	Nölting and Kohn	B., 17, 354	**46**, 901
α-orcendialdehydedianilide	$Me.(OH)_2.(CH\colon NPh)_2=?$	,,	....	281	Tiemann and Helkenberg	B., 12, 1004	
Phenylbidiazoacetyl-o-cresol	$(Ph.N_2)_2C_6H_2Me.OAc$	$C_{21}H_{18}O_2N_4$	....	120–121	Nölting and Kohn	B., 17, 364	**46**, 902
,, -p- ,,	,,	,,	....	156–157	,,	B., 17, 368	,,
Benzoylnitro-p-ditolylamine	$NBz(C_6H_4Me)(C_6H_3Me.NO_2)$	$C_{21}H_{18}O_3N_2$	....	167	Lellmann	B., 15, 831	**42**, 1060
Hydrosalicylamide	....	,,	J. [1857], 317	300	Ettling	A., 35, 261	iii., 218
Nitramarine nitrate	$C_{21}H_{17}N_2(NO_2)+HNO_3$	$C_{21}H_{18}O_5N_4$	sf. 130	d.w.m. 134	Claus and Witt	B., 18, 1677	**48**, 1063
Trinitrotribenzylamine	$N(CH_2.C_6H_4.NO_2)_3=(1.4)_3$	$C_{21}H_{18}O_6N_4$	....	163	Strakosch	B., 6, 1058	**27**, 79
Diethylic dinitrobenzoylmalonate	$(NO_2.C_6H_4.CO)_2C(CO_2Et)_2 =(1.2)_2$	$C_{21}H_{18}O_{10}N_2$	cf. 44, 912	93	Bischoff and Rach	B., 17, 2789	**48**, 264
Acetotriphenylmethylamine	$CPh_3.NHAc$	$C_{21}H_{19}ON$	....	207–208	Hemilian and Silberstein	B., 17, 744	**46**, 1032
Benzoylditoluide	....	,,	....	125	Gerber	B., 6, 446	
Benzamidoazotoluene	$C_6H_4Me.N_2.C_6H_3Me.NHBz =1.3; 1.3.6$	$C_{21}H_{19}ON_3$	....	135	Nölting and Witt	B., 17, 80	**46**, 742
Anilidomalonylanilide	$NH_2.C_6H_4.CH(CO.NHPh)_2$	$C_{21}H_{19}O_2N_3$	....	162	Conrad and Bischoff	A., 209, 231	**42**, 39
Amarine nitrate	$C_{21}H_{18}N_2+HNO_3$	$C_{21}H_{19}O_3N_3$	....	165 u.c.	Claus and Witt	B., 18, 1671	**48**, 1063
Ethyltriphenylcarbamide	$NPh_2.CO.NEtPh$	$C_{21}H_{20}ON_2$	B., 9, 712	80	Kaufmann	B., 14, 2185	
Benzoylditolylhydrazine	$N_2HBz(C_6H_4Me)_2=(1.4)_2$	,,	....	186·5	Lehne	B., 13, 1547	**40**, 41
Anilidoethoxytoluquinoneanilide	$C_6HMe(OEt)(NHPh).O.NPh$	$C_{21}H_{20}O_2N_2$	....	115–116	Zincké	B., 16, 1561	**44**, 1118
Diphenyltoluylenedicarbamide	$C_6H_3Me(NH.CO.NHPh)_2$	$C_{21}H_{20}O_2N_4$	....	a. 300	Kühn	B., 18, 1478	**48**, 979
Alstonine (Chlorogenine)	....	$C_{21}H_{20}O_4N_2$	As., 4, 45	195 u.c.	Hesse	A., 205, 363	**40**, 624
,, ,, ...	....	,,	$+3\frac{1}{2}H_2O$	b. 100	,,	,,	,,
Nitropapaverine (As., 8, 292)	$C_{21}H_{20}(NO_2)O_4$	$C_{21}H_{20}O_6N_2$	$+H_2O$	163	,,	B., 4, 695	**24**, 1065
Diethylic furfurine dicarboxylate	$C_{15}H_{10}O_3N_2(CO_2Et)_2$	$C_{21}H_{20}O_7N_2$	....	124	Bahrmann	J. p., 27, 295	**44**, 800
Aniline lapachate	$C_{15}H_{13}O_3.NH_3Ph$	$C_{21}H_{21}O_3N$	....	121–122	Paterno	G. I., 12, 337	**44**, 211
Papaverine	A., 66, 126; 73, 50; 92, 336	$C_{21}H_{21}O_4N$	....	130	Blyth	....	**33**, 316
,, ...	A., 94, 235; 176, 198; As., 8, 289	,,	....	*147*	Hesse	A., 153, 75	vi., 896
Nitroleuco-base	$NO_2.C_6H_4.CH(C_6H_3.NH_2.OMe)_2=1.4; ?.1.2$	$C_{21}H_{21}O_4N_3$	....	107–108	Fischer	B., 15, 680	**42**, 833
Rhœagenine	....	$C_{21}H_{21}O_6N$	....	223	Hesse	A., 140, 149; 149, 35	vi., 996
Rhœadine	....	,,	....	232 d.	,,	A., 140, 145; 149, 35	,,
Diacetylpseudomorphine	$C_{17}H_{15}(OAc)_2NO_3$	$C_{21}H_{21}O_7N$	....	276	,,	A., 222, 234	**46**, 617
α-amylnaphthalene picrate	$C_{10}H_7.C_5H_{11}+C_6H_2.OH.(NO_2)_3$	$C_{21}H_{21}O_7N_3$	....	85–90	Leone	G. I., 12, 209	**42**, 1210

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Amylnaphthalene picrate....	$C_{10}H_7.C_5H_{11}+C_6H_2.OH.(NO_2)_3$	$C_{21}H_{21}O_7N_3$	....	85–90	Roux	B. S., 41, 379	**46**, 1357
?- „ „	„	„	....	105–110	„	„	„
β- „ „	„	„	..	140–141	„	„	„
β- „ „ ...	„	„	....	140–141	Leone	G. I., 12, 209	**42**, 1210
Strychnine	....	$C_{21}H_{22}O_2N_2$	....	221	Blyth	....	**33**, 316
„	....	„	....	*284*	Claus and Glassner	B., 14, 773	**40**, 748
„	....	„	....	284	Hanssen	B., 18, 1917	
„	....	„	B., 14, 1000	285 u. c.	Beckurts	C. C. [1884], 812	**48**, 675
Tribenzylamine nitrate ...	$(Ph.CH_2)_3N+HNO_3$	$C_{21}H_{22}O_3N_2$	....	124	Limpricht	A., 144, 304	vi., 337
Nitrocryptopine	$C_{21}H_{22}O_5N(NO_2)$	$C_{21}H_{22}O_7N_2$	....	185	Hesse	As. 8, 312 ; Z. C. [2], 7, 641	**25**, 723 ; vii., 876
Leucanisidine....	$NH_2.C_6H_4.CH(C_6H_3.NH_2.OMe)_2=1.4$; $(?.1.2)_2$	$C_{21}H_{23}O_2N_3$	....	182–183	Fischer	B., 15, 681	**42**, 833
Meconidine	....	$C_{21}H_{23}O_4N$	....	58	Hesse	A., 153, 47	vi., 807
Diacetylmorphine	....	$C_{21}H_{23}O_5N$	cf. 27, 1038	169	„	A., 222, 203	**46**, 613
Cryptopine	As., 8, 299 ; A., 176, 200	„	J. [1867], 523	217 d.	„	B., 4, 696	**24**, 1065
Glucocoumarphenylhydrazine	$C_6H_4(O.C_6H_{11}O_5)(CH:CH.C:N_2HPh)=1.2$	$C_{21}H_{23}O_6N_2$	....	130–132	Tiemann and Kees	B., 18, 1961	**48**, 1073
Dimethanilinefurfurol	....	$C_{21}H_{24}ON_2$	....	70	Fischer	B., 10, 1626	**34**, 52
„	....	„	....	83	„	A., 206, 142	
Paytine	A., 166, 272 ; 178, 252 ; 211, 280	$C_{21}H_{24}O_2N_2$	$+H_2O$	156	Hesse	A., 154, 290	vii., 347
„	....	„	....	156	Arata	....	**40**, 623
„	....	„	....	156	Wulfsberg	P. J. T. [3], 11, 269	**40**, 108
Acetylcinchonidine	....	„	....	42 u. c.	Hesse	A., 205, 319	**40**, 615
Œnanthylidene m-nitrobenzamide	$C_6H_{13}.CH(NH.CO.C_6H_4.NO_2)_2$	$C_{21}H_{24}O_6N_4$	....	170	Medicus	A., 157, 48	
Dihydroxypropyldicarboxyldiphenylcarbamide	$CO[NH.C_6H_3(C_3H_6.OH).CO_2H]_2$	$C_{21}H_{24}O_7N_2$	....	very high	Widmann	B., 17, 1307	**46**, 1023
Porphyrine	....	$C_{21}H_{25}O_2N_3$	As., 4, 42	97 u. c.	Hesse	A., 205, 360	**40**, 624
Anilidoperezone	$C_9H_{17}.C_6H(OH)(NHPh):O_2$	$C_{21}H_{25}O_3N$	....	133–137	Anschütz	B., 18, 714	**48**, 777
„	„	„	....	*138–139*	Mylius	B., 18, 941	**48**, 778
Acetylmethocodeine	$C_{19}H_{22}AcO_3N$	$C_{21}H_{25}O_4N$	....	66	Hesse	A., 222, 203	**46**, 614
Ethylcinchonine	$C_{19}H_{21}EtON_2$	$C_{21}H_{26}ON_2$	J. p. [2], 3, 152	49–50	Claus & Kemperdick	B., 13, 2287	**40**, 289
Dimethylcinchonine	$C_{19}H_{20}Me_2ON_2$	„	....	74	Claus and Müller	B., 13, 2292	„
Ethylcinchonidine	$C_{22}H_{28}ON_2$ (?)	„ (?)	....	90–91	Claus	B., 11, 1821	**36**, 169
„	....	„	....	90	Claus and Dannenbaum	B., 13, 2190	**40**, 183
Œnanthylidene dibenzamide	$C_6H_{13}.CH(NHBz)_2$	$C_{21}H_{26}O_2N_2$	....	128	Medicus	A., 157, 46	**24**, 151
Toluquinol+p-toluidine ...	$C_6H_3Me(OH)_2+(C_6H_4Me.NH_2)_2$	„	....	90	Heberand	B., 15, 1974	**44**, 61
Acetylhydrocinchonidine	$C_{19}H_{23}AcON_2$	„	....	42	Hesse	A., 214, 12	
Hypoquebrachine	....	„	....	80	„	A., 211, 263	**42**, 743
Acetylcinchonamine....	$C_{19}H_{23}AcON_2$	„	....	80–90	„	A., 225, 211	**48**, 65
Quebrachine	....	$C_{21}H_{26}O_3N_2$	....	214–216 u. c.; p. d.	„	B., 13, 2308 ; A., 211, 265	**40**, 294 ; **42**, 743
Benzoylphencaprylamine ...	$C_8H_{17}.C_6H_4.NHBz=1.4$	$C_{21}H_{27}ON$	....	109	Beran	B., 18, 109	**48**, 523
Benzoylphen-n-octylamine	„ „	„	....	117	„	B., 18, 136	„
Laudanosine	A., 176, 202 ; As. 8, 321	$C_{21}H_{27}O_4N$	....	89	Hesse	B., 4, 696 ; Z. C. [2], 7, 641	**24**, 1065 ; **25**, 724
Tetraethdiamidobenzophenone	$CO(C_6H_4.NEt_2)_2$	$C_{21}H_{28}ON_2$	....	95–96	Michler and Gradmann	B., 9, 1914	**32**, 335
Diisobutylphenylcarbamide	$CO(NH.C_6H_4Bu^\beta)_2=(1.4)_2$	„	....	283–284	Pahl	B., 17, 1240	**46**, 1010
Dicumylcarbamide	$CO(NH.C_{10}H_{13})_2$	„	....	122	Raab	B., 10, 53	
Ethylcinchonamine	$C_{19}H_{23}EtON_2$	„	....	140	Hesse	A., 225, 211	**48**, 66
„	„	„	$+H_2O$	75–78	„	„	„
Nitrosodiethylaniline cyanhydrin	....	$C_{21}H_{29}O_2N_5$	....	170	Lippmann and Fleissner	M. C., 6, 537	**48**, 1213
Valeritrine picrate	$C_{15}H_{27}N+C_6H_2.OH.(NO_2)_3$	$C_{21}H_{30}O_7N_4$	....	129–130	Ljubavin	B., 6, 566	**26**, 1023
Oxyheptinamide	$C_{21}H_{27}O_5(NH_2)_5$	$C_{21}H_{37}O_6N_6$	....	250–252 d.	Demarçay	A. C. [5], 20, 493	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Lupinine	B., 14 [1880], 2701	$C_{21}H_{40}O_2N_2$	*255–261*	*67·5–68·5*	Baumert	Lw., 27, 15	**40**, 832
"	....	"	255–257	67–68	"	B., 14, 1151, 1321	
"	B., 15, 1951	"	....	68	"	B., 15, 632, 634	
Oxylupinine	A., 214, 362	$C_{21}H_{40}O_5N_2$	....	215 d.	"	B., 14, 1882	
Tetraisoamylcarbamide	$N(C_5H_{11})_2.CO.N(C_5H_{11})_2$	$C_{21}H_{44}ON_2$	240–241	Liquid	Custer	B., 12, 1332	**36**, 913
Diphthalyldiamidobenzene	$C_6H_4[N:(CO)_2:C_6H_4]_2$ $=1.3;(1.2)_2$	$C_{22}H_{12}O_4N_2$	....	252	Biedermann	B., 10, 1165	**32**, 784
"	" $=1.4;(1.2)_2$	"	....	295 d.	"	B., 10, 1164	"
Glycoldinitrate	$C_{22}H_{12}(NO_3)_2$	$C_{22}H_{12}O_6N_2$	....	190	Rousseau	C. R., 95, 232	**42**, 1300
Diacetenylphenyl picrate	$C_{16}H_{10}+C_6H_2.OH(NO_2)_3$	$C_{22}H_{13}O_7N_3$	....	108	Glaser	A., 154, 161	
Pyrene picrate	"	"	....	222	Fittig and Gebhard	B., 10, 2143	**34**, 432
" "	"	"	....	222	Goldschmidt and Schidt	W. A., 83, 7	**40**, 824
Amido-α-naphthoïd	$C_{10}H_6.CO.NH.C_{10}H_6.CO.NH$ $=(?)_2;-;(?)_2$	$C_{22}H_{14}O_2N_2$	....	178–179	Ekstrand	B., 18, 75	**48**, 548
Dioximidophthalacene carboxylic acid	$C_{21}H_{11}(:N.OH)_2.CO_2H$	$C_{22}H_{14}O_4N_2$	....	272–273	Gabriel	B., 17, 1395	**46**, 1177
β-β-Dinaphthylene acetamide	$C_{10}H_6.C_{10}H_6.NAc$	$C_{22}H_{15}ON$	....	144	Walder	B., 15, 2175	**44**, 209
β-β-Dinaphthylene hydroxyamidoethylene	$C_{10}H_6.C_{10}H_6.C(OH):C.NH_2$	"	....	d. 200	Rousseau	B., 16, 967	
o-Methoxybenzenylamidophenanthrol	$C_6H_4.C_6H_4.C:C.N:C(C_6H_4.OMe).O$	$C_{22}H_{15}O_2N$	....	144·5–145·5	Japp & Streatfield	....	**41**, 154
Oxyquinone phenylimide	$C_{16}H_9(OH).O.NPh$	"	....	158–158·5	Breuer and Zincke	B., 13, 632	**38**, 665
Naphthaquinonediphenylanilide	....	"	....	164	Plimpton	....	**37**, 643
Benzoylphthalotoluide ...	$C_6H_3MeBz.N:(CO)_2:C_6H_4$ $=1.?.4;1.2$	$C_{22}H_{15}O_3N$	....	202	Fröhlich	B., 17, 2680	**48**, 355
Nitroazobenzene-azo-β-naphthol	$NO_2.C_6H_4.N_2.C_6H_4.N_2.C_{10}H_6.OH=1.3;4.1;\alpha\beta$	$C_{22}H_{15}O_3N_5$	....	217–218	Meldola	....	**45**, 113
Pseudophenanthrene picrate	$C_{16}H_{12}+C_6H_2.OH.(NO_2)_3$	$C_{22}H_{15}O_7N_3$	....	147	Zeidler	A., 191, 295	
Isoindileucine picrate ...	$C_{16}H_{12}N_2O+C_6H_2.OH.(NO_2)_3$	$C_{22}H_{15}O_8N_5$	$+H_2O$	150	Engler and Hassenkamp	B., 18, 2242	**48**, 1223
β-Naphthaquinone dianilide	$NHPh.C_{10}H_5.O.NPh=\beta\alpha\alpha$	$C_{22}H_{16}ON_2$	....	179	Meldola	....	**45**, 157
β- " "	" "	"	....	178–180	Korn	B., 17, 3021	
β- " "	" "	"	B., 14, 1493	*179–180*	Zincke	B., 15, 481	**42**, 967
β- " "	" "	"	....	180–181	Fuchs	B., 8, 1024	**29**, 247
β- " "	" "	"	B., 15, 283	180–181	Zincke	B., 14, 1900	
β- " "	" "	"	....	182	Göes	B., 13, 124	**38**, 399
α-Oxalylnaphthalide	....	"	....	200	Zinin	A., 108, 229	
o-Methoxybenzenyldiamidophenanthrene	$C_6H_4.C_6H_4.C:C.N:C(C_6H_4.OMe).NH$	"	....	207–208·5	Japp & Streatfield	....	**41**, 153
β-Naphtholtetrazobenzene	$Ph.N_2.C_6H_4.N_2.C_{10}H_6.OH$	$C_{22}H_{16}ON_4$	....	195	Nietzki	B., 13, 1838	**40**, 178
Diamidodinaphthoyl....	$(CO.C_{10}H_6.NH_2)_2$	$C_{22}H_{16}O_2N_2$	....	174 u. c.	Rakowski	B., 5, 1021	**26**, 391; **vii.**, 838
Dinaphthyloxamide	$(.CO.NH.C_{10}H_7)_2$	"	....	200	Zinin	A., 108, 22	**iv.**, 285
Azobenzene resorcinolazonaphthalene	$Ph.N_2.C_6H_2(OH)_2.N_2.C_{10}H_7$	$C_{22}H_{16}O_2N_4$	....	153–155; *156*	Wallach	B., 15, 28, 29	**42**, 611
α-Naphtholazobenzeneazophenol	$HO.C_{10}H_6.N_2.C_6H_4.N_2.C_6H_4.OH=\alpha\alpha;(1.4)_2$	"	....	powder	Meldola	....	**47**, 665
β- "	$=\beta\alpha;(1.4)_2$	"	....	225	"	....	**47**, 666
α-Naphtholazobenzeneazoresorcinol	$HO.C_{10}H_6.N_2.C_6H_4.N_2.C_6H_3(OH)_2=\alpha\alpha;1.4;4.3.1$	$C_{22}H_{16}O_3N_4$	....	d. w. m.	"	....	**47**, 665
β- "	" $=\beta\alpha;1.4;4.3.1$	"	....	powder	"	....	"
Dinitrocresolphthaleïn	$CO_2H.C_6H_4.CO.C_6HMe.OH.(NO_2)_2=1.2;?.1.2.(?)_2$	$C_{22}H_{16}O_8N_2$	....	240	Fraude	B., 12, 241; A., 202, 163	**36**, 635
Acetyl β-β-dinaphthylamine	$(C_{10}H_7)_2NAc$	$C_{22}H_{17}ON$	....	114–115	Benz	B., 16, 20	**44**, 594
" α-β- "	"	"	...	124·5–125	"	B., 16, 19	"
" α-α- "	"	"	....	217	"	B., 16, 20	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-Diazonaphthaleneacet-β-naphthylamine	$C_{10}H_7.N_2.NAc.C_{10}H_7$	$C_{22}H_{17}ON_3$	....	218	Lawson	B., 18, 2422	**48**, 1238
Dipseudocinnamylpyrroline	$C_4H_2NH:(CO.CH:CHPh)_2$	$C_{22}H_{17}O_2N$	....	238–240	Ciamician & Dennstedt	B., 17, 2954	**48**, 379
β-Dibenzanishydroxylamine	....	$C_{22}H_{17}O_5N$	....	109–110	Lossen	A., 186, 21	**32**, 330
α- ,, ...	....	,,	....	110–110·5	,,	,,	,,
γ-Benzanisbenzhydroxylamine	....	,,	....	110	,,	A., 186, 8	**32**, 329
α- ,, ...	....	,,	....	113–114	,,	,,	,,
β- ,, ...	....	,,	....	124–125	,,	,,	,,
β-Anisdibenzhydroxylamine	....	,,	....	109·5–110·5	,,	A., 186, 25	**32**, 331
α- ,, ...	....	,,	....	137–137·5	,,	,,	,,
Ethylic dibenzoylcomenamate	$C_5H_2N(OBz)_2.CO_2Et$	$C_{22}H_{17}O_6N$	fr. pyridine	102	Ost	J. p. [2], 29, 57	**48**, 49
Retistene picrate	$C_{16}H_{14}+C_6H_2.OH.(NO_2)_3$	$C_{22}H_{17}O_7N_3$	....	94	Wahlforss	Z. C. [2], 5, 73	**vi.**, 994
Ethylanthracene picrate ...	$C_{14}H_9Et+C_6H_2.OH.(NO_2)_3$	,,	....	120	Liebermann	A., 212, 1	**42**, 863
,, ,, ...	,,	,,	....	120	Liebermann and Tobias	B., 14, 803	
β-Naphthylaceto-β-naphthalide	$C_{10}H_7.NH.CH_2.CO.NH.C_{10}H_7$	$C_{22}H_{16}ON_2$	....	170	Cosiner	B., 14, 60	**40**, 606
α-Naphthylammonium α-Naphthyloxamate	$C_{10}H_7.NH.CO.CO_2.(NH_3.C_{10}H_7)$	$C_{22}H_{18}O_3N_2$	....	154	Ballo	B., 6, 247	**26**, 913; **vii.**, 848
?	....	$C_{22}H_{18}O_4N_2$	....	143	Haarmann	B., 6, 341	**26**, 908
Diacetylresorcinolbidiazobenzene	$(Ph.N_2)_2.C_6H_2(OAc)_2$	$C_{22}H_{18}O_4N_4$	....	137–138	Liebermann and Kostanecki	B., 17, 881	**46**, 1147
,,	,,	,,	....	183–184	Wallach & Fischer	B., 15, 2816	
Dibenzamidoethylenenitrophenyloxide	$NBz_2.C_2H_4.O.C_6H_4.NO_2=1.2$	$C_{22}H_{18}O_5N_2$	....	121–122	Weddige	J. p. [2], 24, 251	**40**, 1138
Diethyldiazoresorcinol	....	$C_{22}H_{18}O_6N_2$	....	202	Weselsky & Benedikt	M. C., 1, 889	**40**, 726
Ethylic dinitrosoindoxanthydate	....	$C_{22}H_{18}O_8N_4$	....	173 d.	Baeyer	B., 15, 782	**42**, 1102
Dimethamidodibenzoylbenzene	$C_6H_3Bz_2.NMe_2$	$C_{22}H_{19}O_2N$	a. 360	55	Michler & Dupertius	B., 9, 1901	**32**, 334
Dihydrodimethylanthracene picrate	fr. $C_6H_4:(CHMe)_2:C_6H_4$	$C_{22}H_{19}O_7N_3$	....	170.	Angeblis and Anschntz	B., 17, 167	**46**, 753
Phenylanisaldehydine	....	$C_{22}H_{20}O_2N_2$	....	128·5—129	Ladenburg & Rugheimer	B., 11, 1660	**36**, 234
Diacetyldiphenyldiamidobenzene	$C_6H_4(NAcPh)_2=1.3$	,,	....	163.	Calm	B., 16, 2797	**46**, 591
,,	,, =1.4	,,	....	191·7	,,	B., 16, 2807	,,
Phthalyltoluide	$C_6H_4(CO.NH.C_6H_4Me)_2=(1.2)_2$	,,	....	180	Städel	A., 225, 384	**48**, 142
Ditoluyldiamidobenzene	$C_6H_4(NH.CO.C_6H_4Me)_2=1.2;(1.4)_2$	,,	....	228	Brückner	A., 205, 114	**40**, 93
,, ...	,,	,,	....	228	Hübner	A., 210, 330	**42**, 504
Benzamide on anisaldehyde....	....	$C_{22}H_{20}O_3N_2$	....	192	Schuster	A., 154, 82	**vii.**, 80
Tetracetyl α-diamidophenanthraquinol	$C_{14}H_6(NHAc)_2(OAc)_2$	$C_{22}H_{20}O_6N_2$	....	nf. 300	Kleemann & Wense	B., 18, 2168	**48**, 1240
Dinitrostrychnine	....	$C_{22}H_{20}C_6N_4$	B., 16, 968	d.w.m. 202	Hanriot	C. R., 96, 585	**44**, 670
,, ...	....	,,	....	226	Claus and Glassner	B., 14, 775	**40**, 748
Ethylic di-p-nitrobenzoylsuccinate	$[.CH(CO_2Et).CO.C_6H_4.NO_2]_2$	$C_{22}H_{20}O_{10}N_2$	....	180	Perkin & Bellenot	B., 18, 953	**48**, 795
?	$NO_2.C_6H_4.C(N_2HPh).CH_2.C(N_2HPh).Me=1.2$	$C_{22}H_{21}O_2N_5$	....	120	Gevekoht	A., 221, 323	**46**, 445
Azodimethyloxyquinizine ...	$C_6H_4.CO.CHMe.CMe.N.N)_2=(1.2)_2$	$C_{22}H_{22}ON_2$	....	164	Knorr and Blank	B., 17, 2050	**46**, 1380
Carvacrolbidiazobenzene	$(Ph.N_2)_2C_6HMePr^{\alpha}.OH=5.3.1.4.2$	$C_{22}H_{22}ON_4$	....	126	Mazzara	G. I., 15, 214	**48**, 1132
Thymolbidiazobenzene	,, =(?)$_2$.1.4.3	,,	....	168	Mazzara and Possettö	G. I., 15, 52	**48**, 894

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Anilidoisobutoxyquinone-anilide	$C_6H_2(OBu^{\beta})(NHPh).O.NPh$	$C_{22}H_{22}O_2N_2$	....	138	Zincke	B., 18, 788	**48**, 787
Diantipyrene	....	$C_{22}H_{22}O_2N_4$	....	250	Knorr	B., 17, 2045	**46**, 1379
Ethylic phenylizinquinizin-hydrobenzene carboxylate	$NH.C.N.C_6H_4.CO.CH.CH_2.C(:N_2HPh).CH(CO_2Et).CH_2$	$C_{22}H_{22}O_3N_4$	....	211–212	Knorr and Bülow	B., 17, 2055	**46**, 1381
Phenetoïlazoresorcinol	$(EtO.C_6H_4.N_2)_2:C_6H_2(OH)_2$ $=(1.4)_2$; $(?)_2.1.3$	$C_{22}H_{22}O_4N_4$	....	165–167	Liebermann and Kostanecki	B., 17, 883	**46**, 1147
p-Toluidine lapachate	$C_{15}H_{13}O_3.(NH_3.C_6H_4Me)$	$C_{22}H_{23}O_3N$	B., 16, 801	129·5–130	Paterno	G. I., 12, 337	**44**, 211
o- „ „	„	„	„	135	„	„	
Diethylic β-naphthyldimethylpyrroline dicarboxylate	$N(C_{10}H_7).Me_2.(CO_2Et)_2$ $=1.2.5.3.4$	$C_{22}H_{23}O_4N$	....	124	Knorr	B., 18, 304	**48**, 555
Hydrastine	....	„	....	a. 100	Perrins	J. [1862], 382	
„	....	„	....	132	Power	C. C. [1884], 938	**48**, 675
„	....	„	....	*135*	Mahla	J. [1863], 455	
Narcotine (Opianine) ...	....	$C_{22}H_{23}O_7N$	....	155	Blyth	....	**33**, 316
„ „	....	„	....	170	....	....	**iv.**, 25
„ „	....	„	....	176	Hesse	B., 4, 694; A., 178, 241; Z. C. [2], 7, 641	**24**, 1065; **25**, 723; **29**, 608; **vii.**, 876
Opionine	....	„	....	227	„	A., 228, 299	**48**, 1074
Diamidostrychnine	....	$C_{22}H_{24}O_2N_4$	B., 16, 968	d.w.m. 225	Hanriot	C. R., 96, 585	**44**, 670
Methyltetrahydrocinchonic anhydride	$(C_9H_9NMe.CO)_2O$	$C_{22}H_{24}O_3N_2$	297–299 (744·3)	Liquid	Weidel and Hazura	M. C., 5, 643	**48**, 561
Fr. Brucine	....	$C_{22}H_{24}O_4N_2$	....	284	Hanssen	B., 17, 2266	**48**, 63
Diacetyl diacetoxystilbenediamine	$[.CH(NHAc).C_6H_4.OAc]_2$	$C_{22}H_{24}O_6N_2$	....	216–219	Japp and Hooker	....	**45**, 679, 683
Acetyl quinine	....	$C_{22}H_{26}O_3N_2$	J. [1876], 813	108 u. c.	Hesse	A., 205, 317	**40**, 615
Phenylhydrazine phenylacetosuccinic acid	....	$C_{22}H_{26}O_4N_2$	....	149	Weltner	B., 18, 792	**48**, 793
Chairamine	....	„	....	233	Hesse	A., 225, 211	**48**, 67
„	....	„	$+H_2O$	140	„	„	„
Conchairamine	....	„	....	120	„	„	„
„	....	„	$+H_2O$	108–110	„	„	„
„ $+C_2H_6O$	....	„	$+H_2O$	82–86	„	„	„
Chairamidine....	....	„	$+H_2O$	126–128	„	„	**48**, 68
Conchairamidine	....	„	$+H_2O$	114–115	„	„	„
Cinchonidine ethylcyanide	$C_{19}H_{22}N_2O+EtCN$	$C_{22}H_{27}ON_3$	....	140 d.	Claus and Merck	B., 16, 2746	**46**, 338
o-Toluidoperezone	$C_9H_{17}.C_6H(OH)(NH.C_6H_4Me):O_2$	$C_{22}H_{27}O_3N$	....	108–110	Anschütz & Leather	B., 18, 716	**48**, 777
o- „	„ „	„	....	135–136	Mylius	B., 18, 942	**48**, 778
p- „	„ „	„	....	132–134	Anschütz & Leather	B., 18, 716	**48**, 777
p- „	„ „	„	....	133–135	Mylius	B., 18, 942	**48**, 778
Sebacylanilide	$C_8H_{16}(CO.NHPh)_2$	$C_{22}H_{28}O_2N_2$	....	198	Pellizzari	B., 18, 215	**48**, 534
Aspidospermatine	....	„	....	162 u. c.	Hesse	A., 211, 259	
Aspidosamine	....	„	....	100	„	A., 211, 262	
Echitamine (Ditaïne)	B., 11, 2006; 13, 1648, 1841	$C_{22}H_{28}O_4N_2$	+4 H_2O	206 d.	„	A., 203, 150	**40**, 448
n-Octylbenzamidotoluene	$C_8H_{17}.C_6H_3Me.NHBz=?.1.2$	$C_{22}H_{29}ON$	....	117	Beran	B., 13, 147	**48**, 524
Aspidospermine	B., 12, 1560	$C_{22}H_{30}O_2N_2$	....	205–206	Fraude	B., 11, 2189	**36**, 471
„	....	„	....	205–206	Arata	A. S. C. A., 1879	**40**, 623
„	....	„	....	205–206	Wulfsberg	P. J. T. [3], 11, 269	**40**, 108
„	....	„	....	206	Hesse	A., 211, 254	**42**, 742
Phthalylbenzoanilide	$C_6H_4:(CO)_2:N.C_6H_4Bz$	$C_{23}H_{13}O_3N$	....	183	Döbner	A., 210, 267	
Diphthalyldiamidotoluene	$[C_6H_4:(CO)_2:N.]_2C_6H_3Me$ $=(1.2)_2$; 1.3.?	$C_{23}H_{14}O_4N_2$	....	232–233	Biedermann	B., 10, 1161	**32**, 783
„ ...	„ $=(1.2)_2$; 1.2.3	„	....	270	Ladenburg	B., 10, 1125	**32**, 753
„ ..	„ „	„	....	*272*	Biedermann	B., 10, 1165	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Menaphthoximide (β-cyano-dinaphthyloxamide)	$C_2O_2 : N_2H(CN)(C_{10}H_7)_2$	$C_{23}H_{15}O_2N_3$	....	245	Perkin	A., 98, 244	**9**, 8 ; **iv.**, 285
Acetanhydro-p-hydroxybenzoyldiamidophenanthrene	....	$C_{23}H_{16}O_2N_2$	....	205–210 p.d.	Japp and Streatfield		**41**, 152
β-naphtholazobenzeneazosalicylic acid	$HO.C_{10}H_6.N_2.C_6H_4.N_2.C_6H_3(OH).CO_2H$=βα ; 1.4 ; 4.1.2	$C_{23}H_{16}O_4N_4$	....	a. 255	Meldola		**47**, 668
Benzoyl β-naphthylphenylamine	$C_{10}H_7.NPhBz$	$C_{23}H_{17}ON$	....	136	Streiff	A., 209, 158	
„ β- „	„	„	....	147–148 u.c.	Claus and Richter	B., 17, 1591	**46**, 1358
„ α- „	„	„	A., 209, 154	152	Streiff	B., 13, 1852	**40**, 176
Diazobenzene β-naphthylbenzamide	$C_{10}H_7.NBz.N_2Ph$	$C_{23}H_{17}ON_3$	....	162–163	Lawson	B., 18, 800	**48**, 803
Oxyquinone-o-toluide	$C_{16}H_9(OH).O.N.C_6H_4Me$	$C_{23}H_{17}O_2N$	....	107–108	Breuer and Zincke	B., 13, 632	**38**, 665
„ -p- „	„	„	....	154–155	„	„	„
Benzimide (?)	....	$C_{23}H_{18}O_2N_2$	....	167	Richter	R.K.T., 429	
p-Acetoxylophine	NH.CPh : CPh.N : C.C₆H₄.O Ac	„	....	229	Japp and Robinson	B., 15, 2169	**41**, 327
Diethyltetranitroaurin	$C_{19}H_8Et_2(NO_2)_4O_3$	$C_{23}H_{18}O_{11}N_4$	....	105	Ackermann	B., 17, 1626	**46**, 1340
α-Benzdianishydroxylamine	....	$C_{23}H_{19}O_6N$	....	137·5–138·5	Lossen	A., 186, 30	**32**, 331
β- „	....	„	....	137·5–138·5	„	„	„
Dianisbenzhydroxylamine	....	„	....	147·5	„	A., 186, 28	„
β-Anisbenzanishydroxylamine	....	„	....	148–149	„	„	„
α- „	....	„	....	152–153	„	„	„
Diacetyl-a_1-p-azotolueneresorcinolazobenzene	$C_6H_4Me.N_2.C_6H_2(OAc)_2.N_2.Ph$	$C_{23}H_{20}O_4N_4$	....	175–176	Wallach & Fischer	B., 15, 2822	
„ a_2- „	„	„	....	195–196	„	„	
„ a_1-azobenzeneresorcinolazotoluene	„	„	....	175–176	„	B., 15, 2823	
„ a_2- „	„	„	....	196–197	„	B., 15, 2824	
Hexnitrotetramethdiamidotriphenylmethane	fr. $Ph.CH(C_6H_4.NMe_2)_2$	$C_{23}H_{20}O_{12}N_8$	....	200 d.	Fischer	A., 206, 128	
„ „	„	„	....	206	Ziegler	B., 13, 787	**38**, 640
Benzoylbenzopseudocumidide	$Me_3.Bz.NHBz$=1.3.4.?.6.	$C_{23}H_{21}O_2N$	...	227	Fröhlich	B., 17, 1806	**46**, 1319
Diacetyltriphenylquanidine	$Ph.N : C(NPhAc)_2$	$C_{23}H_{21}O_2N_3$	....	131	McCreath	B., 8, 384	**28**, 885
Toluanisaldehydine	....	$C_{23}H_{22}O_2N_2$	....	152–156	Ladenburg and Rügheimer	B., 11, 1660	**36**, 234
Pararosatoluidine	....	$C_{23}H_{23}ON$	....	150	Klinger & Pitschke	B., 17, 2443	**48**, 151
Decarbousneïnanilide	....	$C_{23}H_{23}O_6N$	B., 15, 2241	169–171	Paterno	G.I. [1882], 231	**42**, 1082
From narceïne	....	$C_{23}H_{23}O_8N$	....	210	Beckett and Wright	....	**29**, 472
Anilidoisobutoxytoluquinoneanilide	$C_6HMe(OBu^\beta)(NHPh).O.N$ Ph	$C_{23}H_{24}O_2N_2$	....	117	Zincke	B., 16, 1561	**44**, 1118
Nitrotetramethdiamidotriphenylmethane	$NO_2.C_6H_4.CH(C_6H_4.NMe_2)_2$ =1.3 ;	$C_{23}H_{25}O_2N_3$	....	152	Fischer	B., 12, 802	**36**, 788
„ „	„ =1.2 ;	„	....	155	„	B., 15, 682	**42**, 834
„ „	„ „	„	....	*159–160*	Fischer & Schmidt	B., 17, 1890	**46**, 1315
„ „	„ =1.4 ;	„	....	176–177	Fischer	B., 14, 2526	**42**, 393
o-Nitromalachite green	$NO_2.C_6H_4.C(OH)(C_6H_4.NMe_2)_2$	$C_{23}H_{25}O_3N_3$	....	163	Fischer & Schmidt	B., 17, 1891	**46**, 1315
Lanthopine	....	$C_{23}H_{25}O_4N$	As., 8, 271	abt. 200	Hesse	A., 153, 59	
Cryptopine (?)	see $C_{21}H_{23}O_5N$	$C_{23}H_{25}O_5N$	....	175	Smith	P.J.T. [2], 8, 595, 791	**vi.**, 514
Tetramethdiamidotriphenylcarbinol (malachite or bitter almond oil green)	$Ph.C(OH)(C_6H_4.NMe_2)_2$ or $HO.C_6H_4.CH(C_6H_4.NMe_2)_2$ =1.2 ;	$C_{23}H_{26}ON_2$	....	120 ; sf. 116	Fischer	B., 12, 791, 1686	**38**, 40
„ „	„ „	„	A., 206, 130	127–128	„	B., 14, 2522	**42**, 393
„ „	„ „	„	B., 11, 1238	*132*	Döbner	B., 13, 2222	**40**, 165
„ „	„ =1.4 ;	„	A., 217, 250	163	Fischer	B., 14, 2523	**42**, 393
Diacetyllapoconquinine	....	$C_{23}H_{26}O_4N_2$	....	60	Hesse	A., 205, 337	**40**, 618
Cusconine	....	„	B., 16, 61	110	„	A., 185, 301	**34**, 156
Concusconidine	....	„	....	124	„	B., 16, 62	**44**, 602
Concusconine	....	„	....	206–208	„	A., 225, 211	**48**, 66

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Concusconine (cf. B., 16, 61)	....	$C_{23}H_{26}O_4N_2$	$+H_2O$	144	Hesse	A., 225, 211	**44**, 602; **48**, 66
Brucine	....	"	....	151	Blyth	....	**33**, 316
"	....	"	....	*178* u.c.	Claus and Röhre	B., 14, 773	**40**, 749
Aricine	....	"	B., 10, 2161	188	Hesse	A., 185, 310	**34**, 156, 437
Propionylquinine	$C_{20}H_{23}(CO.C_2H_5)N_2O_2$	$C_{23}H_{23}O_3N_2$	....	129 u.c.	"	A., 205, 358	**40**, 620
Cinchonine hydrogen succinate	$C_{19}H_{22}ON_2+C_4H_6O_4$	$C_{23}H_{28}O_5N_2$	$+H_2O$	110	"	A.	vi., 464
" "	"	"	$+1\frac{1}{2}H_2O$	110	"	A.	"
Quinine ethylcyanide	$C_{20}H_{24}O_2N_2+EtCN$	$C_{23}H_{29}O_2N_3$	d. 95–100	90	Claus and Merck	B., 16, 2747	**46**, 338
Narceïne	A., 86, 182; 176, 198	$C_{23}H_{29}O_9N$	....	92	....	....	iv., 24
"	B. S., 18, 535; J. p. (2), 2, 457	"	....	134	Blyth	....	**33**, 316
"	....	"	B., 7, 105	*145·2 c.*	Hesse	A., 129, 250	vi., 863
Benzenyldiisoamylphenylenamidine	....	$C_{23}H_{32}ON_2$	80–100	80–81 quick, 90–92 slow	Hübner and Simon	B., 12, 1344; A., 210, 364	**36**, 923
Nitrate of ditto	$C_{23}H_{31}N_2(NO_3)+HNO_3$	$C_{23}H_{32}O_6N_4$	....	90	"	"	"
Succino-octonitro-α-naphthalide	$[.CH_2.CO.NH.C_{10}H_3(NO_2)_4]_2$	$C_{24}H_{12}O_{18}N_2$	....	256	Hübner	A., 209, 339	**42**, 182
" "	"	"	....	256	Hahnemann	B., 10, 1713	
Ethylic dinitrophthalaconcarboxylate	$C_{21}H_9(NO_2)_2O_2.CO_2Et$	$C_{24}H_{14}O_8N_2$	....	a. 280	Gabriel	B., 17, 1390	**46**, 1176
α-Diquinolyline picrate	$C_9NH_6.C_9NH_6$=meta	$C_{24}H_{15}O_7N_5$	....	240	Miller & Kinkelin	B., 18, 1912	**48**, 1145
β- " "	" $=a_1;\beta_2;a_1;a_1$	"	....	268	Fischer	M. C., 6, 546	**48**, 1247
?	$C_{24}H_{15}(NO_2)N_2O_6$	$C_{24}H_{15}O_8N_3$	black 265	275–280	Zincke & Hebebrand	A., 226, 60	**48**, 258
Isodinitroazodiphenyl	$N_2(C_6H_4.C_6H_4.NO_2)_2$=?	$C_{24}H_{16}O_4N_4$	....	187	Wald	B., 10, 140	**32**, 341
Dinitroazoxydiphenyl	$ON_2(C_6H_4.C_6H_4.NO_2)_2=(1.4)_4$	$C_{24}H_{16}O_5N_4$	....	255	"	B., 10, 138	"
Bidinitrophenylbenzidine	$[.C_6H_4.NH.C_6H_3(NO_2)_2]_2$ $=(1.4;\ 1.2.4)_2$	$C_{24}H_{16}O_8N_6$	....	330	Austen	A. J. S. [3], 13, 279	**32**, 762
"	" "	"	....	a. 330	Willgerodt	B., 9, 982	**30**, 406
Succinotetranitro-α-naphthalide	$[.CH_2.CO.NH.C_{10}H_5(NO_2)_2]_2$	$C_{24}H_{16}O_{10}N_6$	B., 10, 1713	225	Hübner and Hahnemann	A., 209, 383	**42**, 182
Azoxydiphenyl	$ON_2(C_6H_4.Ph)_2=(1.4)_2$	$C_{24}H_{18}ON_2$	....	205	Zimmermann	B., 13, 1960	**40**, 175
Tribenzoylmelamine	$(CN.NH.CO.C_6H_5)_3$	$C_{24}H_{18}O_3N_6$	....	275 d.	Gerlich	J. p. [2], 13, 283	
Ethylic dioximidophthalacenecarboxylate	$C_{21}H_{11}(NOH)_2.CO_2Et$	$C_{24}H_{18}O_4N_2$	....	263–264	Gabriel	B., 17, 1394	**46**, 1177
?	....	$C_{24}H_{18}O_4N_4$	....	250	Zincke & Hebebrand	A., 226, 60	**48**, 258
From piperonal	....	$C_{24}H_{18}O_6N_2$	....	172	Lorenz	B., 14, 792	**40**, 729
" "	....	"	....	213	"	B., 14, 791	"
Azobenzene nitronitrolic acid	$[NO_2.C_6H_4.N_2.C_6H_4.N(OH).]_2$ $=(1.4)_2$	$C_{24}H_{18}O_6N_8$	....	218	Janovsky	B., 18, 1137; M. C., 6, 157	**48**, 789, 894
Fr. ethylic dinitrophenylacetoacetate	....	$C_{24}H_{18}O_{15}N_6$	....	105·5	Heckmann	A., 220, 128	**46**, 178
Cumenylamidophenanthrol....	$C_6H_4.C_6H_4.C:C.N:$ $C(C_6H_4Pr).O$	$C_{24}H_{19}ON$	....	186	Japp and Wilcock	....	**39**, 226
Dianilidoquinone anilide	$C_6H_2(NHPh)_2.O.NPh$	$C_{24}H_{19}ON_3$	....	202–203	Zincke	B., 18, 787	**48**, 787
Benzcyanidine	....	$C_{24}H_{19}O_2N$	....	123–124	Frankland & Louis	....	**37**, 742
Benzoylphthalopseudocumide	$C_6HMe_3Bz.N:(CO)_2:C_6H_4$ $=1.3.4.?.6;\ 1.2$	$C_{24}H_{19}O_3N$	....	181	Fröhlich	B., 17, 1803	**46**, 1319
Acetylnaphthaquinone phenylanilide	....	"	....	172–173	Plimpton	....	**37**, 645
Phthalyldiphenylasparagine	$C_6H_4:(CO)_2:N.C_2H_4(CO_2H).$ $CO.NPh_2$	$C_{24}H_{19}O_5N_2$	....	180	Piutti	G. I., 14, 473	**48**, 797
"	"	"	$+2H_2O$	112	"	"	"
"	"	"	....	203	"	"	"
β-Naphthaquinone ditoluide	$C_6H_4Me.NH.C_{10}H_5.O.N.$ $C_6H_4Me=(1.4)_2$	$C_{24}H_{20}ON_2$	...	174–176	Meldola	....	**45**, 159
β- "	"	"	....	177	Fuchs	B., 8, 1025	**29**, 248
β- "	"	"	....	*178*	Kronfeld	B., 17, 715	**46**, 1038
β-Naphthyl β-imidobutyronaphthalide	$C_{10}H_7.N:CMe.CH_2.CO.NH$ $C_{10}H_7$	"	....	200	Knorr	B., 17, 543	**46**, 1198

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Resorcinolquinoline	....	$C_{24}H_{20}O_2N_2$	....	102 u.c.	Hock	B., 16, 886	
Succino-α-naphthalide	$(.CH_2.CO.NH.C_{10}H_7)_2$	,,	B., 10, 1713	285	Hübner and Hahnemann	A., 209, 382	**42**, 181
Fr. Benzil	....	$C_{24}H_{20}O_4N_2$	....	246	Japp and Hooker	....	**45**, 685
,, ...	....	,,	....	a. 300	,,	....	**45**, 684
Benzoylethoxyfurfurine	$C_{15}H_{10}O_3N_2Bz.OEt$	$C_{24}H_{20}O_5N_2$(?)	....	290	Bahrmann	J. p. [2], 27, 317	**44**, 800
Fr. ethylresorcinol	....	$C_{24}H_{20}O_6N_2$	....	230	Weselsky & Benedikt	M. C., 1, 893	**40**, 726
Tetrahydrazoresorufin	....	$C_{24}H_{20}O_7N_2$	....	d. 100	Brunner & Krämer	B., 17, 1862	**46**, 1334
α-naphtholazobenzeneazodimethaniline	$HO.C_{10}H_6.N_2.C_6H_4.N_2.C_6H_4.NMe_2=\beta\alpha; (1.4)_2$	$C_{24}H_{21}ON_5$	....	d. 200	Meldola	....	**45**, 110
β- ,,	,, $=\alpha\alpha; (1.4)_2$	,,	....	209–210	,,	....	**45**, 109
Oxalyltri-o-tolylguanidine	$C_6H_4Me.N:(NMe.C_6H_4.CO)_2:$	$C_{24}H_{21}O_2N_3$	....	179	Berger	B., 12, 1858	**38**, 244
Aniline pyrogallate	$C_6H_3(O.NHPh)_3$(?)	$C_{24}H_{21}O_3N_3$(?)	....	126–128	Guthrie	P. M. [5], 18, 109	
Benzylcyanurate	$C_3O_3N_3(CH_2Ph)_3$	,,	B., 3, 518	153	Cannizzaro	G. I., 1, 33	**24**, 927
,, ...	,,	,,	320	*157*	Letts	B., 5, 93	**25**, 450; vii., 180
Benzoylphthalopseudocumidic acid	$C_6HMe_3Bz.NH.CO.C_6H_4.CO_2H=1.3.4.?.6; 1.2$	$C_{24}H_{21}O_4N$	....	195 d.	Fröhlich	B., 17, 2674	**48**, 154
Retene picrate	$C_{18}H_{18}+C_6H_2.OH.(NO_2)_3$	$C_{24}H_{21}O_7N_3$	J. [1858], 440	123–124	Ekstrand	A., 185, 80	**32**, 497
Usnic anilide	$C_{17}H_{17}O_6.CO.NHPh$	$C_{24}H_{23}O_6N$	....	170–171	Paterno	G. I. [1882], 231	**42**, 1082
Glyceride of phenylcarbamic acid	$C_3H_5(O.CO.NHPh)_3$	$C_{24}H_{23}O_6N_3$	....	160–180	Tessmer	B., 18, 969	**48**, 774
Tetramethylhydroanthracene picrate	$C_{14}H_8Me_4+C_6H_2.OH.(NO_2)_3$	$C_{24}H_{23}O_7N_3$	....	165	Anschütz & Römig	B., 18, 665	**48**, 768
Leuco-phthal green	$C_{14}H_6Ph(NMe_2)_2.OH$(?)	$C_{24}H_{24}ON_2$	....	235–236	Fischer	A., 206, 108	**40**, 588
Ethylanilphthaleïn	$C_6H_4:(CO)_2:(NPhEt)_2=1.2$	$C_{24}H_{24}O_2N_2$	....	140·5–141·5	Piutti	G. I., 13, 542	**46**, 450
Dimethylanilinephthaleïn	$C_6H_4(CO.C_6H_4.NMe_2)_2$	$C_{24}H_{24}O_2N_2$	....	188	Fischer	B., 12, 1692	**38**, 41
,, ...	,,	,,	....	190–191	,,	A., 206, 92	**40**, 587
Cuminyldibenzamide	$C_6H_4Pr.CH(NHBz)_2$	,,	....	224	Raab	B., 8, 1150	**29**, 398
Anishydramide	A., 56, 309; 88, 128	$C_{24}H_{24}O_3N_2$	....	120	Cahours	A. C. [3], 14, 487	i., 299
Triacetamidotriphenylamine	$N(C_6H_4.NHAc)_3$	$C_{24}H_{24}O_3N_4$	....	nf. 240	Heydrich	B., 18, 2158	**48**, 1213
Hydrotrimethylamarine	$C_{21}H_{17}Me_3N_2O$	$C_{24}H_{26}ON_2$	....	158	Claus	B., 15, 2328	**44**, 203
Dimethaniline phthalin	$NMe_2.C_6H_4.CO.C_6H_4.CH(OH).C_6H_4.NMe_2$	$C_{24}H_{26}O_2N_2$	....	200	Fischer	A., 206, 101	**40**, 588
Ethyldiantipyrine	....	$C_{24}H_{26}O_2N_4$	....	240–250	Knorr	B., 17, 2045	**46**, 1379
Azoethylmethyloxyquinizine	....	$C_{24}H_{26}O_4N_2$	....	160	Knorr and Blank	B., 17, 2051	**46**, 1380
Ethylhydrastine	$C_{22}H_{22}EtO_6N$	$C_{24}H_{27}O_6N$	....	183	Power	C. C. [1884], 938	**48**, 675
Leuco-base from vanillin	$C_6H_3(OMe)(OH).CH(C_6H_4.NMe_2)_2=5.4.1; (?)_2$	$C_{24}H_{28}O_2N_2$	....	135–136	Fischer & Schmidt	B., 17, 1895	**46**, 1316
Fr. picrorocellin	....	$C_{24}H_{28}O_3N_2$	A., 185, 24	154	Stenhouse & Groves	P. R., 25, 67	**31**, 719
Gelsemine	See $C_{11}H_{19}O_2N$	$C_{24}H_{28}O_4N_2$					
Ethylic diphenylizinsuccinosuccinate	$N_2HPh:C.CH_2.CH(CO_2Et).C(:N_2HPh).CH_2.CH.CO_2Et$	$C_{24}H_{28}O_4N_4$	....	205–206	Knorr and Bülow	B., 17, 2055	**46**, 1381
Sebacyl di-m-benzamic acid....	$C_8H_{16}(CO.NH.C_6H_4.CO_2H)_2$	$C_{24}H_{28}O_6N_2$	....	275	Pellizzari	B., 18, 215	**48**, 534
Ethylic dihydroxypropyldicarboxyl diphenylallophanate	$CO_2H.C_6H_3(CMe_2.OH).NH.CO.N(CO_2Et).C_6H_3(CMe_2.OH).CO_2H$	$C_{24}H_{28}O_9N_2$	....	a. 300 d.	Widmann	B., 17, 1306	**46**, 1023
From rosaniline	Cf. B., 2, 443	$C_{24}H_{29}ON_3$	....	130	Wichelhaus	B., 16, 2007	**44**, 1098
From chloranil+dimethaniline	....	,,	....	190	,,	B., 16, 2006	,,
Ethylic azocuminate....	$N_2(C_6H_3Pr.CO_2Et)_2$	$C_{24}H_{30}O_4N_2$	....	62	Alexejeff	J. R. [1882], 198	**42**, 971
Concusconine hydroxide	$C_{23}H_{26}Me(OH)O_4N_2$	$C_{24}H_{30}O_5N_2$	$+5H_2O$	202	Hesse	A., 225, 211	**48**, 66
Methylnarceïne	$C_{23}H_{28}MeO_9N$	$C_{24}H_{31}O_9N$	....	175 u.c.	Claus and Ritzfeld	B., 18, 1574	**48**, 997
Diethylic ethylene diethyldibenzamate	$C_2H_4(NEt.C_6H_4.CO_2Et)_2=(1.3)_2$	$C_{24}H_{32}O_4N_2$	....	98–100	Schiff and Parenti	A., 226, 243	**48**, 266
Phthalyltropeïne	....	,,	A., 217, 102	70	Ladenburg	B., 13, 108, 1085	**38**, 411
Thallin tartrate	$(C_{10}H_{13}ON)_2+C_4H_6O_6$	$C_{24}H_{32}O_8N_2$	....	100 s. d.	Vulpius	A. P. [3], 22, 840	**48**, 399
Phenylmaltosazone	....	$C_{24}H_{32}O_9N_4$	....	190–191	Fischer	B., 17, 583	**48**, 54
Phenyllactosazone	....	,,	....	200	,,	,,	,,
Narceïne methonitrate . ..	$C_{23}H_{29}O_9N+MeNO_3$	$C_{24}H_{32}O_{12}N_2$	....	168	Claus and Ritzfeld	B., 18, 1572	
Delphinine	....	$C_{24}H_{35}O_2N$	....	119	Blyth	....	**33**, 317

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Veratroidine	or $C_{51}H_{78}O_{16}N_2$	$C_{24}H_{37}O_7N$	....	129–130	Michell	P. J. [3], 31, 768, 785, 847	**28**, 1267
β-Colchicoresin	....	$C_{24}H_{39}O_{10}N$	....	90	Hertel	B., 14, 1412	
Stearanilide	$C_{18}H_{35}.CO.NHPh$	$C_{24}H_{41}ON$	....	93·6	Pebal	A., 91, 152	v., 412
Cholamide	....	$C_{24}H_{41}O_4N$	B., 6, 1186	115 ; 130	Hübner	J. p. [2], 19, 308	**36**, 950
Benzenylamidochrysole ...	$C_{16}H_{10}.C:C.O.CPh:N$	$C_{25}H_{15}ON$	....	259–265	Japp and Streatfield	....	**41**, 157
Benzoxybenzenebidiazobenzene	$(Ph.N_2)_2.C_6H_3.OBz=1.3.4$	$C_{25}H_{18}O_2N_4$	....	138–139	Nölting and Kohn	B., 17, 369	**46**, 902
Anilidomethoxyquinoneanilide picrate	$C_{19}H_{16}O_2N_2+C_6H_2.OH.(NO_2)_3$	$C_{25}H_{19}O_9N_6$	....	188	Zincke	B., 18, 788	**48**, 787
Nitrosotriphenylmethylaniline	$CPh_3.NPh.NO$	$C_{25}H_{20}ON_2$	....	156	Elbs	B., 17, 704	**46**, 1032
Tetraphenylcarbamide	$CO(NPh_2)_2$	”	....	178–180	Girard and Willm	B. S. [2], 25, 248	**30**, 99
”	”	”	B., 12, 1166	*183*	Michler	B., 9, 710	**30**, 290
Carbamidoazobenzene ...	$CO(NH.C_6H_4.N_2.Ph)_2$	$C_{25}H_{20}ON_6$	....	270 d.	Berju	B., 17, 1404 ; C. C. [1884], 871	**46**, 1149 ; **48**, 660
Carbonitrotetrimidobenzene	$C(NH.C_6H_4.NO_2)_4=(1.3)_4$	$C_{25}H_{20}O_8N_8$	....	286	Hübner	B., 10, 1719	**34**, 143
”	” $=(1.4)_4$	”	....	a. 300	”	B., 10, 1718	”
Dianilidotoluquinone anilide	$C_6HMe(NHPh)_2.O.NPh$	$C_{25}H_{21}ON_3$	....	167	Zincke	B., 16, 1560	**44**, 1118
Diacetylamarine	$C_{21}H_{16}Ac_2N_2$	$C_{25}H_{22}O_2N_2$	....	268	Bahrmann	J. p. [2], 27, 298	**44**, 799
m-nitrodiamidotriphenylmethane$+C_6H_6$	$NO_2.C_6H_4.CH(C_6H_4.NH_2)_2+C_6H_6$	$C_{25}H_{23}O_2N_3$	....	81	Fischer and Ziegler	B., 13, 671	**38**, 662
Isoamylanthracene picrate	fr. $C_6H_4:(C_2H.C_5H_{11}):C_6H_4$	$C_{26}H_{23}O_7N_3$	....	115	Liebermann and Tobias	B., 14, 795 ; A., 212, 1	**40**, 736 ; **42**, 862
Triacetylparaleucaniline	$C_{19}H_{16}Ac_3N_3$	$C_{25}H_{25}O_3N_3$	....	177	Renouf	B., 16, 1303	**44**, 981
Diglycoltoluylamidotoluide....	$C_6H_4Me.N(CH_2.CO.NH.C_6H_4Me)_2=(1.4)_3$	$C_{25}H_{27}O_2N_3$	....	251	Meyer	B., 8, 1164	**29**, 402
Tetramethdiamido-o-acetoxytriphenylmethane	$AcO.C_6H_4.CH(C_6H_4.NMe_2)_2$	$C_{25}H_{28}O_2N_2$	....	144	Fischer	B., 14, 2523	**42**, 393
Tetramethdiamido-p-acetoxytriphenylmethane	” ”	”	....	146	”	”	”
Tribenzylidene tetrureïde	$C_7H_6(NH.CO.NH.C_7H_6.NH.CO.NH_2)_2$	$C_{25}H_{28}O_4N_8$	....	240	Schiff	A., 151, 193	
Acetyltetramethylparaleucaniline	$NHAc.C_6H_4.CH(C_6H_4.NMe_2)_2$	$C_{25}H_{29}ON_3$	....	108	Fischer and German	B., 16, 708	**44**, 1098
Acetylleuco-base	....	”	....	186	Fischer & Schmidt	B., 17, 1892	**46**, 1316
Tetramethdiamidotriphenylmethane ethoxide	$EtO.CPh(C_6H_4.NMe_2)_2$	$C_{25}H_{30}ON_2$	A., 206, 132	162	Fischer	B., 12, 1687	**38**, 40
Quinine valerate	$C_{20}H_{24}O_2N_2+C_6H_{10}O_2$	$C_{25}H_{34}O_4N_2$	$+1\frac{1}{2}H_2O$	90	Bonaparte	J. Chim. Med., 18, 680	v., 24
Narceïne ethonitrate	$C_{23}H_{29}O_9N+EtNO_3$	$C_{25}H_{34}O_{12}N_2$	....	155	Claus and Ritzfeld	B., 18, 1571	**48**, 996
Œnanthotetrureïde	....	$C_{25}H_{52}O_4N_8$	....	155	....	A., 151, 190	
α-dinaphthylene oxide picrate	$C_{20}H_{12}O+2C_6H_2.OH.(NO_2)_3$	$C_{26}H_{15}O_8N_3$	....	167	Knecht & Unzeitig	B., 13, 1725	
α- ” ”	”	”	....	*172–173*	Merz and Weith	B., 14, 197	
β- ” ”	”	”	....	122–122·5	”	B., 14, 201	
β- ” ”	”	”	....	135	Knecht & Unzeitig	B., 13, 1726	
Dinaphthylenamide picrate....	$C_{20}H_{13}N+C_6H_2.OH.(NO_2)_3$	$C_{26}H_{16}O_7N_4$	....	217 ; *219 c.*	Walder	B., 15, 2174	**44**, 209
Dibenzoyldinitrodiphenol	$(.C_6H_3.NO_2.OBz)_2$	$C_{26}H_{16}O_8N_2$	J. R., 10, 318	191	Goldstein	B. S. [2], 30, 434	**36**, 148
Oxyquinonenaphthalide	$C_{16}H_9(OH).O.N.C_{10}H_7$	$C_{26}H_{17}O_2N$	....	148	Breuer and Zincke	B., 13, 632	**38**, 665
Dinitrobenzoylbenzoxydiphenylamine	fr. $BzO.C_6H_4.NPhBz=1·4$	$C_{26}H_{17}O_7N_3$	...	194–195	Philip and Calm	B., 17, 2438	**48**, 156
β-dinaphthol picrate....	$C_{20}H_{14}O_2+C_6H_2.OH.(NO_2)_3$	$C_{26}H_{17}O_9N_3$	....	174	Walder	B., 15, 2170	
α-Naphtholazobenzeneazo-α-naphthol	$C_6H_4(N_2.C_{10}H_6.OH)_2=1.4;(aa)_2$	$C_{26}H_{18}O_2N_4$	....	d.	Meldola	....	**47**, 663
α- ” -β- ”	” $=1.4;aa;a\beta$	”	....	235–236	”	....	**47**, 665
β- ” -β- ”	” $=1.4;(a.\beta)_2$	”	....	a. 275	”	....	**47**, 664
Nitrobenzeneazo-α-naphthaleneazo-β-naphthol	$NO_2.C_6H_4.N_2.C_{10}H_6.N_2.C_{10}H_6.OH=1.3;aa;a\beta$	$C_{26}H_{18}O_3N_6$	....	d. 245	”	....	**45**, 115
Acridine nitrite	$C_{26}H_{18}N_2+NO_2H$	$C_{26}H_{19}O_2N_3$	$+3H_2O$	150–151	Medicus	B., 17, 196	**46**, 748

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzoylbenzoxydiphenylamine	C_6H_4.OBz.NPhBz=1.4	$C_{26}H_{19}O_3N$	....	175	Philip and Calm	B., 17, 2473	**48**, 156
Azoxybenzanilide	$ON_2(C_6H_4.NHBz)_2=(1.2)_2$	$C_{26}H_{20}O_3N_4$	....	195	Mixter	A. C. J., 6, 26	**46**, 1327
"	" $=(1.3)_2$	"	....	272	"	A. C. J., 5, 1	**46**, 301
"	$ON_2(C_6H_4.CO.NHPh)_2$	"	....	310	"	A. C. J., 5, 282	**46**, 666
Nitrosotriphenylmethyltoluidine	$C_6H_4Me.N(NO).CPh_3$=1.4	$C_{26}H_{22}ON_2$	....	145–146	Wittich	B., 17, 706	**46**, 1032
Azuline	$Ph_2N_2H_2:(CO)_2:Ph_2$	$C_{26}H_{22}O_2N_2$	....	146	Erhardt	A. P., 8, 481	**34**, 317
Diphenyldiphenylenedicarbamide	$C_{12}H_8(NH.CO.NHPh)_2$	$C_{26}H_{22}O_2N_4$	....	a. 300	Kühn	B., 18, 1478	**48**, 979
Benzoylparaleucaniline	....	$C_{26}H_{23}ON_3$	....	149	Renouf	B., 16, 1302	**44**, 981
Triacetyl leucaniline	....	$C_{26}H_{27}O_3N_3$	...	168	"	B., 16, 1303	"
Ethyltoluidine phthaleïn	$C_6H_4:(CO)_2:(NEt.C_6H_4Me)_2=(1.2)_3$	$C_{26}H_{28}ON_2$	....	90	Piutti	G. I., 13, 542	**46**, 450
Hexamethtriamidodibenzoylbenzene	$NMe_2.C_6H_3(CO.C_6H_4.NMe_2)_2$	$C_{26}H_{29}O_2N_3$	....	122	Michler	B., 9, 717	**30**, 299
"	"	"	....	122	Michler & Dupertius	B., 9, 1900	**32**, 333
Benzylcinchonine	....	$C_{26}H_{30}O_2N_2$	....	117	Claus and Treupel	B., 13, 2295	**40**, 290
Acetylpentamethylparaleucaniline	$NMeAc.CH(C_6H_4.NMe_2)_2$	$C_{26}H_{31}ON_3$	....	142–143	Fischer and Körner	B., 16, 2907	**46**, 607
Benzamido-n-caproic anhydride	$[C_5H_{10}(NHBz).CO]_2O$	$C_{26}H_{32}O_5N_2$	B. S., 30, 561	85	Destrem	C. R., 86, 484	**34**, 506
Loxoterygine	....	$C_{26}H_{34}O_2N_2$	....	81	Hesse	A., 211, 278	**42**, 744
Jervine	....	$C_{26}H_{37}O_3N$	....	d. a. 200	Will	A., 35, 117	
" (see $C_{30}H_{46}O_3N_2$)	$C_{26}H_{43}O_2N$(?)	"	....	231 ; 237 ; 239 c.	Wright and Luff	....	**35**, 410, 416
Solanicine	....	$C_{26}H_{39}ON$	....	a. 250 p. d.	Zwenger and Kind	A., 123, 344	v., 345
Aconine	....	$C_{26}H_{39}O_{11}N$	....	abt. 130	Wright and Luff	....	**33**, 320
Solanidine	....	$C_{26}H_{41}O_2N$	....	a. 200	Zwenger and Kind	A., 118, 142	v., 345
Dinitrocholesterin	$C_{26}H_{42}(NO_2)_2O$	$C_{26}H_{42}O_5N_2$	....	120–121	Preiss & Raymann	B., 12, 225	**36**, 634
Rubijervine	....	$C_{26}H_{43}O_2N$	....	236	Wright and Luff	....	**35**, 411
Glycocholic acid	A., 67, 9 ; 157, 286	$C_{26}H_{43}O_6N$	....	a. 100	Strecker	Handw. b., 2, 1192	**42**, 1220
" "	J. p. [2], 10, 267 ; 25, 99	"	....	*132–134*	Emich	M. C., 3, 325 ; 4, 99	"
Paraglycocholic acid....	A., 65, 12	"	....	183–184	"	M. C., 3, 340	"
Anhydrotolylketamine	$(NH.C_6H_4.N:C.C_6H_4)_2CO$ =1.2 ; 1.4	$C_{27}H_{18}ON_4$	A., 210, 340	277	Stoddard	B., 11, 297	**34**, 504
"	" "	"	....	277	Brückner	A., 205, 121	**40**, 94
Benzoyldi-β-naphthylamine	$(C_{10}H_7)_2NBz$	$C_{27}H_{19}ON$	....	173 u. c.	Claus and Richter	B., 17, 1593	**46**, 1358
β-Diazonaphthalene benzoyl-β-naphthylamine	$C_{10}H_7.N_2.NBz.C_{10}H_7$	$C_{27}H_9ON_3$	....	177	Lawson	B., 18, 2422	**48**, 1238
Di-β-naphthylphenylcarbamide	$PhHN.CO.N(C_{10}H_7)_2$	$C_{27}H_{20}ON_2$	....	179	Gebhardt	B., 17, 3039	**48**, 384
Tribenzoyldiamidophenol	fr. $OH.(NHBz)_2$=1.2.6	$C_{27}H_{20}O_4N_2$	....	183–184	Stuckenburg	B., 10, 387	**32**, 475
"	" "	"	....	183–184	Post	A., 205, 83	
"	" =1.2.4	"	....	231–233	Stuckenburg	B., 10, 381	**32**, 193
"	" "	"	....	231–233	Post	A., 205, 69	
Diphenyldibenzoylguanidine	$CN_3HPh_2Bz_2$	$C_{27}H_{21}O_2N_3$	....	102	McCreath	B., 8, 384	**28**, 885
Pyrogallolphenylcarbamate....	$C_6H_3(O.CO.NHPh)_3$	$C_{27}H_{21}O_6N_3$	....	173	Snape	....	**47**, 774
Triacetylhydrocyanrosolic acid	$C_{21}H_{14}N(OAc)_3$	$C_{27}H_{23}O_6N$	....	143	Græbe and Caro	A., 179, 200 ; B., 11, 1117	**29**, 590 ; **34**, 794
Diamidomethoxytriphenylmethane	$MeO.C_6H_4.CH(C_6H_4.NH_2)_2+C_6H_5Me$	$C_{27}H_{28}ON_2$	....	65	Mazzara and Possetto	G. I., 15, 57	**48**, 1141
Hydroethylsalicylamide	....	$C_{27}H_{30}O_3N_2$	....	100	Perkin	[2], 5, 418	vi., 1009
o-Nitrotetrethyldiamidotriphenylmethane	$NO_2.C_6H_4.CH(C_6H_4.NEt_2)_2$	$C_{27}H_{33}O_2N_3$	....	109–110	Fischer & Schmidt	B., 17, 1894	**46**, 1316
Picrorocellin	....	$C_{27}H_{39}O_5N_3$	....	192–194	Stenhouse & Groves	A., 185, 14	**31**, 718
Hyoglycocholic acid	....	$C_{27}H_{43}O_5N$	....	nf. 120	Strecker and Gundalach	A., 62, 215	iii., 234
Cevine	$C_{27}H_{41}(OH)_2O_6N$	$C_{27}H_{43}O_8N$	....	145	Wright and Luff	....	**33**, 350
Myristoxine	$C(C_{13}H_{27})_2:NOH$	$C_{27}H_{55}ON$	B., 17, 1575	51	Spiegler	M. C., 5, 241	**46**, 1115
Cerylic nitrate	$C_{27}H_5.O.NO_2$	$C_{27}H_{56}O_3N$	....	76	Champion	C. R., 78, 1150	**27**, 887

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzenylbenzamidoalizarin....	$C_6H_4:(CO)_2:C_6H(OBz).O.$ $C_7H_5:N$	$C_{28}H_{15}O_6N$	....	a. 300	Römer	B., 18, 1669	**48**, 1069
Phenanthrenequinonimide anhydride	....	$C_{28}H_{16}ON_2$	....	247	Zincke	B., 12, 1643	
Diphthalyl-o-p-benzidine	$[.C_6H_4.N:(CO)_2:C_6H_4]_2$	$C_{28}H_{16}O_4N_2$	....	194	Bandrowski	B., 17, 1183	**46**, 1015
„ -p-p- „	„	„	....	a. 360	„	B., 17, 1181	„
Imidohydroxylanthraquinone	....	$C_{28}H_{16}O_8N_2$	A., 166, 153	240	Böttger & Petersen	J. p. [2], 6, 367	**26**, 390
α-phenylenenaphthylene oxide picrate	$C_{16}H_{10}O+2[C_6H_2.OH.(NO_2)_3]$	$C_{28}H_{16}O_{15}N_6$	A., 209,141	165	Arx	B., 13, 1727	**40**, 282
Oxidation of dibenzylamine	....	$C_{28}H_{17}O_8N_3$	....	142	Claus	B., 15, 2332	**44**, 203
Benzoylanhydrosalicyldiamidophenanthrene	$C_{21}H_{13}BzON_2$	$C_{28}H_{18}O_2N_2$	....	218–220	Japp & Streatfield	....	**41**, 148
?	$C_{14}H_8Bz_2N_2$	„	....	239·5–240·5	Goloubeff	B. S., 43, 128	**48**, 661
α-diphenanthreneoxytriimide	....	$C_{28}H_{19}ON_3$	....	282	Sommaruga	M. C., 1, 149	
β- „ „	....	„	....	a. 300	„	M. C., 1, 158	
Benzamil	....	$C_{28}H_{20}O_2N_2$(?)	....	170	Laurent	R. S., 19, 446	i., 541
Dinitrosodiphenyldiisoindole	NPh.C(NO).CPh.NPh.C(NO).C Ph	$C_{28}H_{20}O_2N_4$	....	244	Mohlau	B., 15, 2487	**44**, 342
HNO_2 on anthramine	$(C_{14}H_9NH)_2N.OH$ (?)	$C_{28}H_{21}ON_3$	....	250	Bollert	B., 16, 1639	**44**, 1140
β-naphtholazobenzeneazodiphenylamine	$NHPh.C_6H_4.N_2.C_6H_4.N_2.$ $C_{10}H_6.OH=1.4; 1.4; αβ$	$C_{28}H_{21}ON_5$	....	203–204	Meldola	43, 441	
Benzil on benzonitril	....	$C_{28}H_{21}O_3N$	....	225	Japp and Tresidder	B., 16, 2653	**46**, 314
Benzoxybenzamidomethylbenzophenone	$BzO.C_6H_4.CO.C_6H_3Me.NHBz$	$C_{28}H_{21}O_4N$	....	192–193	Liebermann	B., 16, 1931	**44**, 1097
?	....	$C_{28}H_{22}ON_4$	A., 171, 144	254–256 c.	Guareschi	G. I., 4, 22	**27**, 584
Benzilimide	....	$C_{28}H_{22}O_2N_2$	....	130	Laurent	R. S., 19, 442	i., 546
?	....	$C_{28}H_{22}O_3N_2$	....	106–110	Ladenburg	B., 11, 597	
Benzil on benzonitril	....	„	....	168	Japp and Tresidder	B., 16, 2653	**46**, 314
Dibenzdiamidomethylbenzophenone	$NHBz.C_6H_4.CO.C_6H_3Me.$ $NHBz$	„	....	226	Liebermann	B., 16, 1929	**44**, 1097
?	....	$C_{28}H_{22}O_4N_3$	....	60–70	Lorenz	B., 7, 1098	
?	$C_{24}H_{16}N_4O_4Ac_2$	$C_{28}H_{22}O_6N_4$	....	285	Zincke & Hebebrand	A., 226, 60	**48**, 258
?	$(Ph_2N)_2C.C_2H_4.CO.O$	$C_{28}H_{24}O_2N_2$	....	234	Piutti	G. I., 14, 351	**48**, 783
Dibenzoyldihydroxystilbenediamine	$[C_6H_4(OH).CH.NHBz]_2$	$C_{28}H_{24}O_4N_2$	....	a. 300 d.	Japp and Hooker	....	**45**, 674
Aniline+succinylsuccinic ether	....	$C_{28}H_{27}O_3N_3$(?)	....	210	Knorr	B., 17, 546	**46**, 1198
Aspidospermatine	....	$C_{28}H_{28}O_2N_2$	....	162	Hesse	A., 211, 249	**42**, 742
?	....	$C_{28}H_{28}O_3N_2$	....	85	Claus	B., 14, 2372	**42**, 178
Ethylene-α-naphthylurethane	$C_2H_4[N(C_{10}H_7).CO_2Et]_2$	$C_{28}H_{28}O_4N_2$	....	156	Reuter	B., 8, 25	**28**, 649
?	....	$C_{28}H_{30}ON_4$	....	186	Claus	B., 14, 2371	**42**, 178
Diacetylpentamethylpararosaniline	....	$C_{28}H_{33}O_3N_3$	....	223–225	Fischer and Körner	B., 16, 2906	**46**, 607
Thapsic anilide	$C_{16}H_{28}O_2(NHPh)_2$	$C_{28}H_{40}O_2N_2$	....	162–163	Canzoneri	G. I., 13, 514	**46**, 461
Verine	$C_{28}H_{44}(OH)NO_7$	$C_{28}H_{45}O_8N$	....	95–130	Wright and Luff	....	**33**, 355
Vicine	....	$C_{28}H_{51}O_{21}N_{11}$	B., 9, 301	180 d.	Ritthausen	J. p. [2], 2, 336; 7, 374; 24, 202	
Myristoyltridecylcarbamide	$C_{13}H_{27}.NH.CO.NH.C_{14}H_{27}O$	$C_{28}H_{56}O_2N_2$	....	103	Reimer and Will	B., 18, 2016	**48**, 1197
NH_3 on isobutaldehyde	$(C_4H_8)_7ON_6H_8$	$C_{28}H_{62}ON_6$	d. 90	31	Lipp	A., 205, 5; B., 13, 904	**38**, 621; **40**, 84
?	....	$C_{29}H_{21}O_3N_3$	....	168	Haarmann	B., 6, 341	**26**, 908
Di(-p-benzamidophenyl) urethane	$N(C_6H_4.NHBz)_2.CO_2Et$	$C_{29}H_{25}O_4N_3$	....	a. 360	Hager	B., 17, 2628	**48**, 150
?	$CO(C_{14}H_{13}N_2)_2$	$C_{29}H_{26}ON_4$	....	115·5	Löb	B., 18, 2428	
Hydromethylbenzylamarine	$C_{21}H_{18}MeN_2O.CH_2Ph$	$C_{29}H_{28}ON_2$	....	208	Claus	B., 15, 2327	**44**, 203
Benzylidenediantipyrine ...	$Ph.CH(C_{11}H_{11}ON_2)_2$	$C_{29}H_{28}O_2N_4$	....	201	Knorr	B., 17, 2040	**46**, 1378
Quinine+nitrobenzaldehyde	$C_{22}H_{24}O_2N_2+C_6H_4.NO_2.CHO$	$C_{29}H_{29}O_5N_3$	....	113–118	Mazzara	G. I., 13, 367	**46**, 466
Roccellanilide	$C_{17}H_{30}O_2(NHPh)_2$	$C_{29}H_{42}O_2N_2$	....	55·3	Hesse	A., 117, 342	v., 113

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Campholurethanebenzaldehyde	$Ph.CH(NH.CO_2.C_{10}H_{17})_2$	$C_{29}H_{42}O_4N_2$	....	185–187	Haller	C. R., 94, 869	**42**, 1214
Pseudojervine	....	$C_{29}H_{43}O_7N$	....	299 d.	Wright and Luff	35, 413	
Carbopetrocene picrate ...	....	$C_{30}H_{11}O_7N_3$	....	185	Prunier	A. C. [5], 17, 28	**36**, 447
Phenylparamide	$C_6(C_2O_2:NPh)_3$	$C_{30}H_{15}O_6N_3$	....	n. f. 300	Hötte	J. p. [2], 32, 238	**48**, 1220
Dibenzoylindigo	J. p., 91, 382	$C_{30}H_{18}O_4N_2$	C.R., 56, 1050	108	Schwartz	J. [1863], 557	
Fr. dinitrazoxynaphthalene...	$C_{20}H_{12}O_5N_4$ (?)	$C_{30}H_{19}O_8N_5$ (?	...	199	Liebermann	A., 183, 225	**31**, 600
β-naphthaquinone di-α-naphthalide	$C_{10}H_7.NH.C_{10}H_5.O.N.C_{10}H_7$	$C_{30}H_{20}ON_2$	....	246–247	Meldola	45, 160	
Dihydroxyphenylcyanurate	$[C_3N_3(O.C_6H_4.OH)_2]_2$	$C_{30}H_{20}O_6N_6$	$+6H_2O$	a. 360	Birnbaum & Lurie	B., 13, 1620	
Picrate of $C_{24}H_{18}O_4N_4$	....	$C_{30}H_{21}O_{11}N_7$	....	235 d.	Zincke and Hebebrand	A., 226, 60	**48**, 258
Ethylenebenzoylcarboxylic phenylhydrazide	$[.CH_2.C(N_2Ph).C_6H_4.CO]_2$	$C_{30}H_{22}O_2N_4$	....	236–237	Roser	B., 18, 804	**48**, 797
Benzenebidiazoacenapththol	$C_6H_4(N_2.C_{10}H_6.OAc)_2$ =1.4; $(\alpha\alpha)_2$	$C_{30}H_{22}O_4N_4$	....	223	Meldola	....	**47**, 664
Ethylene dibenzhydroxamate	$C_2H_4(NBz.OBz)_2$	$C_{30}H_{24}O_6N_2$	....	148	Eiseler	A., 175, 342	**28**, 768
Nitrous acid on furfurin	....	$C_{30}H_{27}O_{15}N_5$	....	94–95	Schiff	B., 10, 1189	**34**, 46
Ethyleneditolyldimethylammonium picrate	$C_2H_4[NMe(C_6H_4Me).O.C_6H_2(NO_2)_3]_2$	$C_{30}H_{28}O_{14}N_8$(?	....	196	Hübner, Tölle, and Athenstadt	A., 224, 331	**46**, 1318
Aniline usnate	....	$C_{30}H_{32}O_7N_2$	....	142	Paterno	G. I., 7, 189; 8, 225	**32**, 786; **34**, 884
Benzylnarceïne	$C_{23}H_{28}(CH_2Ph)O_9N$	$C_{30}H_{35}O_9N$	....	169 u. c.	Claus and Ritzfeld	B., 18, 1574	**48**, 997
Quinine eugenate	$C_{20}H_{24}O_2N_2.C_{10}H_{12}O_2$	$C_{30}H_{36}O_4N_2$	....	110 p. d.	Hesse	A., 135, 325	**vi.**, 984
Emetine	A. C. (2), 4, 172; (5), 8, 233	$C_{30}H_{44}O_4N_2$	$C_{28}H_{40}O_5N_2$	62–65	Podwyszotzky	P. J. [3], 10, 642	**38**, 720
"	A. C. (5), 12, 277; Z. C. [1869], 414	"	....	70	Lefort	J. P. [4], 9, 241	**vi.**, 580
Jervine	see $C_{26}H_{37}O_3N$	$C_{30}H_{46}O_3N_2$	....	193–196	Bullock	P. J. [3], 6, 1009	**30**, 530
Aconitine (?)	see $C_{33}H_{43}O_{12}N$	$C_{30}H_{47}O_7N$	....	80	Planta	A., 74, 259	**i.**, 55
Myricylic nitrate	$C_{30}H_{61}.O.NO_2$	$C_{30}H_{61}O_3N$	....	61	Champion	C. R., 78, 1150	**27**, 887
Alizarin blue dibenzoate	$C_{17}H_7NO_2(OBz)_2$	$C_{31}H_{17}O_6N$	....	244	Græbe	A., 201, 342	
Dibenzoylmorphine	$C_{17}H_{17}ON(OBz)_2$	$C_{31}H_{27}O_5N$	....	186	Polstorff	B., 13, 98	
"	"	"	....	*188–190 c.*	Wright and Rennie	28, 322	**37**, 611
?	....	$C_{31}H_{33}O_3N_3$	....	263	Knorr	B., 17, 545	**46**, 1198
Diacetylapopseudaconine	$(C_{27}H_{37}NO_6)(OAc)_2O$	$C_{31}H_{43}O_{10}N$	....	b. 100	Wright and Luff	....	**33**, 331
Picro-aconitine	....	$C_{31}H_{45}O_{10}N$	....	nf. 100	Wright	....	**31**, 146
β-dinitroanthraquinone chrysene	$C_{14}H_6O_2(NO_2)_2.C_{18}H_{12}$	$C_{32}H_{18}O_6N_2$	cf. B., 3, 811	294	Schmidt	J. p. [2], 9, 250	**27**, 987
β-dinaphthalene oxide picrate	$(C_{10}H_6)_2O+[C_6H_2.OH.(NO_2)_3]_2$	$C_{32}H_{18}O_{16}N_6$	....	135	Walder	B., 15, 2172	**44**, 209
β- " " "	"	"	cf. B., 14, 201	135	Knecht & Unzeitig	B., 13, 1726	**40**, 281
α- " " "	"	"	....	167	"	B., 13, 1725	"
α- " " "	"	"	....	*173*	Merz and Weith	B., 14, 197, 199	**40**, 265
Picrate of $C_{26}H_{16}$	$C_{26}H_{16}+C_6H_2.OH.(NO_2)_3$	$C_{32}H_{19}O_7N_3$	....	177–178	Harpe and Dorp	B., 8, 1049	**29**, 243
α-Naphthyloxide picrate ...	$(C_{10}H_7)_2O.[C_6H_2.OH.(NO_2)_3]_2$	$C_{32}H_{20}O_{15}N_6$	....	114·5–115	Merz and Weith	B., 14, 198	**40**, 264
β- " " ...	"	"	....	122–122·5	"	B., 14, 201	"
α-Dinaphthol picrate ...	$C_{20}H_{14}O_2.[C_6H_2.OH.(NO_2)_3]_2$	$C_{32}H_{20}O_{16}N_6$	....	145	Walder	B., 15, 2171	**44**, 209
β- " "	"	"	....	174 u.c.	"	B., 15, 2170	"
β-β-Dinaphthylamine picrate	....	$C_{32}H_{21}O_{14}N_7$	....	164–165	Benz	B., 16, 20	**44**, 595
α-α- " "	....	"	....	168–169	"	B., 16, 20	**44**, 594
α-β- " "	....	"	....	172–173	"	B., 16, 17	"
Dibenzdiphenyldiamidobenzene	$C_6H_4(NBzPh)_2$=1.3	$C_{32}H_{24}O_2N_2$	....	184	Calm	B., 16, 2798	**46**, 592
"	" =1.4	"	....	218·5	"	B., 16, 2808	"
Phthalylbidiphenylamine ...	$C_6H_4(CO.NPh_2)_2$=1.2	"	....	238	Lellmann	B., 15, 830	**42**, 1060
Benzoylimidocinnamic anhydride	$O(CO.CH.NBz.CHPh)_2$	$C_{32}H_{24}O_5N_2$	....	164–165	Plöchl	B., 16, 2815	**46**, 604
?	$O(CO.CH.NBz.CH.C_6H_4.OH)_2$	$C_{32}H_{24}O_7N_2$	....	160	Plöchl & Wolfrum	B., 18, 1184	**48**, 898
Benzacin	....	$C_{32}H_{27}ON_3$	...	150	Frankland and Tompkins	....	**37**, 567
?	$C_{28}H_{22}Ac_2N_2O_4$	$C_{32}H_{28}O_6N_2$	....	225–227	Japp and Hooker	....	**45**, 678

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Erythrolide of phenylcarbamic acid	$C_4H_6(O.CO.NHPh)_4$	$C_{32}H_{30}O_8N_4$	....	215 d; sf. 210	Tessmer	B., 18, 970	**48**, 774
Hexethyltriamidodibenzoylbenzene	$NEt_2.C_6H_3(CO.C_6H_4.NEt_2)_2$	$C_{32}H_{41}O_2N_3$	....	70	Michler and Gradmann	B., 9, 1914	**32**, 335
Oxyacanthine....	....	$C_{32}H_{46}O_{11}N_2$ (?)	....	139	Wacker	J. [1861], 545	**iv.**, 288
Cevadine (veratrine)....	$C_{27}H_{41}NO_6(OH).O.CO.CMe:C_2H_4$	$C_{32}H_{49}O_9N$	A., 95, 200	205; *206 c.*	Wright and Luff	....	**33**, 344
" "	"	"	B., 9, 1116	205	Schmidt & Köppen	A., 185, 224	**30**, 530, 906
" " (C.C. [1872], 229)	"	"	....	205	Schmidt	A. P. [3], 10, 511	**34**, 517
Lycopodine	....	$C_{32}H_{52}O_3N_2$	....	114–115	Bödeker	A., 208, 363	**40**, 1158
α-Dinaphthylmethane picrate	$C_{21}H_{16}.[C_6H_2.OH(NO_2)_3]_2$	$C_{33}H_{22}O_{14}N_6$	....	142–143	Grabowski	B., 7, 1607	**28**, 456
Dibenzoyltriphenylguanidine	$NPh:C(NPhBz)_2$	$C_{33}H_{25}O_2N_3$	....	185	McCreath	B., 8, 383	**28**, 885
Apoaconitine	$C_{26}H_{35}NO_7(OH)(OBz):O$	$C_{33}H_{41}O_{11}N$	....	185–186	Wright and Luff	....	**33**, 325
Aconitine (A., 7, 276; 74, 257)	$C_{26}H_{35}NO_7(OH)_3(OBz)$	$C_{33}H_{43}O_{12}N$	....	183–184	"	....	**33**, 159, 325
Fr. β-Naphthaquinonetoluide	....	$C_{34}H_{22}O_4N_4$	....	260–265	Zincke and Brauns	B., 15, 1972	**44**, 209
Tetrabenz-β-diamidophenol....	$OH.(NBz_2)_2=1.2.6$	$C_{34}H_{24}O_5N_2$	A., 205, 83	182	Stuckenberg	B., 10, 387	**32**, 475
Oxydimorphine	cf. B., 13, 86–91	$C_{34}H_{36}O_6N_2$	....	245 d.	Schützenberger	B. S., 4, 178	
Gnoscopine	J. [1878], 873	$C_{34}H_{36}O_{11}N_2$	....	233 d.	Smith	P. J. [3], 9, 82	**34**, 987
Sabadilline (Cevadilline) ...	....	$C_{34}H_{53}O_8N$	....	200	Couerbe	A. C. [2], 52, 352	**33**, 339
" "	....	"	....	200	Weigelin and Dragendorff	N. J. P., 3", 94	"
Azurine	....	$C_{35}H_{32}O_3N_4$	....	250·5	Ladenburg	B., 11, 598	**34**, 572
Colchiceïne	See $C_{17}H_{19}O_5N$	$C_{35}H_{42}O_{11}N_2$	....	155	Oberlin	A. C. [3], 50, 108	**i.**, 1080
Acetylapoaconitine	$C_{26}H_{35}O_7N(OAc)(OBz):O$	$C_{35}H_{43}O_{12}N$	....	180–181 c.	Wright and Luff	....	**33**, 328.
Stearoxime	$(C_{27}H_{35})_2C:NOH$	$C_{35}H_{71}ON$	B., 17, 1575	62–63	Spiegler	M. C., 5, 241	**46**, 1115
Carbopetrocene picrate	$C_{24}H_8.[C_6H_2.OH.(NO_2)_3]_2$	$C_{36}H_{14}O_{14}N_6$	C. R., 88, 316	135	Prunier	A. C. [5], 17, 28	**38**, 446
β-Naphtholazobenzeneazo-α-naphthleneazo-β-naphthol	$HO.C_{10}H_6.N_2.C_6H_4.N_2.C_{10}H_6.N_2.C_{10}H_6.OH=\beta\alpha$; 1.4; αα; αβ	$C_{36}H_{24}O_2N_6$	....	a. 295	Meldola	....	**43**, 437
Azophenine	....	$C_{36}H_{29}ON_5$	....	224	Kimich	B., 18, 1028	**29**, 268
"	$C_{36}H_{29}N_5$(?)	" (?)	....	236–237	Witt and Thomas	....	**43**, 115
Dicodethylene (ethylenedimorphine)	$(C_{17}H_{18}NO_3)_2C_2H_4$	$C_{36}H_{40}O_6N_2$	....	d.w.m. 200	Grimaux	C. R., 93, 67; A.C. [5], 27, 273	**40**, 1045; **44**, 359
Apopseudoaconitine	....	$C_{36}H_{47}O_{11}N$	$+H_2O$	102–103	Wright	....	**33**, 151
Pseudoaconitine	$C_{27}H_{37}O_5N(OH)_3.O.CO.C_6H_3(OMe)_2$	$C_{36}H_{49}O_{12}N$	$+H_2O$	100+	Wright and Luff	....	**33**, 336
"	"	"	....	*104–105*	"	....	**33**, 159
Lycoctonine	=pseudoaconitine (?)	"	....	100–104	Flückiger	J. [1870], 837	**33**, 335
Pentacetylsolanidine	....	$C_{36}H_{51}O_7N$	....	150	Hilger	A., 195, 322	
Heptadecylstearylcarbamide	$NH(C_{17}H_{35}).CO.NH(C_{18}H_{35}O)$	$C_{36}H_{72}O_2N_2$	....	112	Hofmann	B., 15, 761	**42**, 1053
Veratrine	....	$C_{37}H_{53}O_{11}N$	....	115	Couerbe	A. C. [2], 52, 352	**33**, 339
"	$C_{28}H_{44}O_7N.O.CO.C_6H_3(OMe)_2$	"	....	180 c.	Wright and Luff	....	**33**, 353
Dinaphthylenphenylamine picrate	$C_{26}H_{17}N.[C_6H_2.OH.(NO_2)_3]_2$	$C_{38}H_{23}O_{14}N_7$	....	169 u.c.	Walder	B., 15, 2177	**44**, 209
?	$C_{24}H_{16}Bz_2O_4N_4$	$C_{38}H_{26}O_6N_4$	....	264·5	Zincke and Hebebrand	A., 226, 60	**48**, 258
Tribenzoylmorphine	$C_{17}H_{16}Bz_3O_3N$	$C_{38}H_{31}O_6N$	....	186	Polstorff	B., 13, 98	**38**, 407
Triphenylrosaniline	J. [1862], 696; [1863], 786	$C_{38}H_{33}ON_3$	....	100	....	A., 132, 162	
Tetramethdiamidopropyltriphenylmethane picrate	$C_{26}H_{32}N_2+C_6H_2.OH.(NO_2)_3$	$C_{38}H_{38}O_{14}N_8$	....	156	Ziegler	B., 13, 786	**38**, 640
Dihydrodicinchonine	J.p. [2], 8, 293	$C_{38}H_{46}O_2N_4$	A., 108, 348	257–258	Skraup	B., 11, 314	
Acetylapopseudoaconitine	$C_{27}H_{37}O_5N(:O)(OAc).O.CO.C_6H_3(OMe)_2$	$C_{38}H_{49}O_{12}N$	....	115	Wright and Luff	....	**33**, 170
?	$C_6H_3Me(NH.CO.C_6H_4.N:CH.C_6H_4.OAc)_2=1.?.?$; $(1.3; 1.2)_2$	$C_{39}H_{32}O_6N_4$	....	220 d.	Schiff	A., 218, 185	**48**, 455
Dihydroxydimethyldipropyldiphenyldiazobenzophenylmethane	$Ph.CH[C_6H_4.N_2.C_6H_2MePr(OH)N]_2$ N.OH=1.4	$C_{39}H_{40}O_2N_6$	....	170	Mazzara	G. I., 15, 44	**48**, 904

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzoylcevadine	$C_{27}H_{41}O_6N(OBz).O.CO.CMe:C_2H_4$	$C_{39}H_{53}O_{10}N$	$+1\frac{1}{2}H_2O$	170–180	Wright and Luff	....	**33**, 351
Diphenyldiisoindole picrate....	$C_{28}H_{22}N_2.[C_6H_2.OH.(NO_2)_3]_2$	$C_{40}H_{28}O_{14}N_8$	....	127	Möhlau	B., 15, 2487	**44**, 342
Phthalyldiphenylaminaspartein	$C_6H_4[CO.NPh.C_2H_3:(CO)_2:NPh]_2=1.2$	$C_{40}H_{30}O_6N_4$(?)	....	273	Piutti	G. I., 14, 473	**48**, 797
Triphenylamidomethane oxalate	$(CPh_3.NH_2)_2+H_2C_2O_4$	$C_{40}H_{36}O_4N_2$(?)	....	253	Elbs	B., 17, 702	**46**, 1031
Azo-p-toluenephenine	....	$C_{40}H_{37}ON_5$	....	249–250	Kimich	B., 8, 1032	**29**, 269
Benzoylapoaconitine....	....	$C_{40}H_{45}O_{12}N$	....	130	Wright	....	**33**, 324
Diacetylcodeïne	$C_{36}H_{42}Ac_2O_6N_2$	$C_{40}H_{46}O_8N_2$	....	135	Beckett and Wright	....	**28**, 324
Dulcitolide of phenylcarbamic acid	$HO.C_6H_8(O.CO.NHPh)_5$	$C_{41}H_{39}O_{11}N_5$	....	250	Tessmer	B., 18, 971	**48**, 774
Manitolide „ „	„	„	....	260 d; sf.,250	„	B., 18, 970	„
Œnanthohexureïde	See A., 151, 190	$C_{41}H_{84}O_6N_{12}$	....	150	Schiff	A., 151, 190	
Benzilam	....	$C_{42}H_{32}O_2N_2$	v. $C_{14}H_9N$	113–114	Zincke	B., 16, 891, 892	
Benzilimide	....	$C_{42}H_{32}O_4N_2$	v. $C_{14}H_{11}ON$	137–139	„	B., 16, 890, 891	
Imabenzil	....	„	v. $C_{14}H_{11}ON$	158–170 d.	„	B., 16, 891	
„	....	„	....	d. 140	Henius	A., 228, 339	**48**, 1067
Dibenzoyldibenzoxystilbene diamine	$[C_6H_4(OBz):CH.NHBz]_2$	$C_{42}H_{32}O_6N_2$	....	246–248	Japp and Hooker	....	**45**, 682, 683
Tetracetyl- ?	....	$C_{42}H_{34}O_8N_4$	....	190–191	Zincke and Brauns	B., 15, 1971	**44**, 209
Cinchonamine malate	$(C_{19}H_{24}N_2O)_2.C_4H_6O_5$ (?)	$C_{42}H_{54}O_6N_2$(?)	$+H_2O$	160	Arnaud	C. R., 97, 174	**46**, 88
Solanine (A.C. (2), 31, 109)....	$C_{43}H_{71}O_{16}N$ (?)	$C_{42}H_{75}O_{15}N$	cf. B., 9, 83	200+	Blyth	....	**33**, 316
„	J. [1863], 450; [1873], 817	„	....	235	Zwenger and Kind	A., 26, 232; 118, 130	v., 346
Dinaphthyldiquinonetetranilide	$C_{20}H_8(NHPh)_2(:NPh)_2:O_2$	$C_{44}H_{30}O_2N_4$	....	248–250	Korn	B., 17, 3023	**48**, 392
Tetrethdiamidodinaphthoic diethamidonaphthalene	$NEt_2.C_{10}H_5(CO.C_{10}H_6.NEt_2)_2$	$C_{44}H_{47}O_2N_3$	....	130	Smith	....	**41**, 186
Atisine	....	$C_{46}H_{74}O_5N_2$	....	85	Broughton	Medical Press, 1874	**31**, 146
Veratroidine	$C_{24}H_{37}O_7N$ (?)	$C_{51}H_{78}O_{16}N_2$	....	129–130	Mitchell	P. J. [3], 5, 768, 785, 847	**28**, 1267
Narceïne ethyloxalate	$(C_{23}H_{29}O_9N)_2.Et_2C_2O_4$	$C_{52}H_{68}O_{22}N_2$	....	174 d.	Claus and Ritzfeld	B., 18, 1571	**48**, 996
?	....	$C_{52}H_{86}O_{15}N_2$	....	150	Weigelin	N. J. P., 37, 94	**33**, 339
Benzylamarine oxalate	$(C_{28}H_{24}N_2)_2.H_2C_2O_4$	$C_{58}H_{50}O_4N_4$	....	240 u.c.	Claus & Kohlstock	B., 18, 1853	**48**, 1133
Narceïne benzylcarbonate	$(C_{23}H_{29}O_9N)_2(CH_2Ph)_2CO_3$	$C_{60}H_{73}O_{21}N_2$	....	135	Claus and Ritzfeld	B., 18, 1573	**48**, 997
Japaconitine	$O[C_{26}H_{39}O_7N(OBz):O]_2$	$C_{66}H_{88}O_{21}N_2$	....	181; 183; 185·5; *184–186*	Wright and Luff	....	**35**, 394–401
Homocerebrin	....	$C_{80}H_{158}O_{14}N_2$(?)	....	b. 155	Parcus	J. p. [2], 24, 326	**42**, 236
Encephalin	....	$C_{102}H_{206}O_{19}N_{14}$	d. 125	150	„	J. p. [2], 24, 327	„
Alstonidine	....	$C_aH_bO_cN_d$	....	181 u. c.	Hesse	A., 205, 368	**40**, 624
Anthracene orange	....	„	....	225	Böttger	J. p. [2], 2, 130	**vii.**, 86
Colloturine	Composition unknown	„	....	sb. 234	Hesse	B., 11, 1546	**36**, 73
Cuscamine	....	„	....	218	„	A., 200, 304	**38**, 329
Loturine	Composition unknown	„	....	234 u. c.	„	B., 11, 1544	**36**, 73
Methylcodethylene (?) ...	Probably $C_{18}H_{21}NO_2(OEt)$	„	....	132	Grimaux	C. R., 93, 592	**42**, 218
Oleandrine	B., 14. 2602; 16, 254	„	135	begins 56	Bettelli	G I., 6, 310	**29**, 404
„	J. [1861], 546	„	....	70–75	....	J. [1875], 783	
Quebrachamine	Composition unknown	„	....	142	Hesse	A., 211, 265	**42**, 743
Taxine....	J. [1856], 550	„	....	80	Mavine	C. C. [1876], 166	**31**, 476
„	....	„	....	80	Marmé	B. S., 26, 417	
Acid from Hg fulminate	....	„	....	85	Scholvien	J. p. [2], 30, 91	**48**, 39
Usnic acid+aniline	....	„	....	170	Paterno	G. I., 7, 192; 8, 225	**32**, 787; **34**, 884
From $C_{34}H_{22}O_6N_4$	....	„	....	212–214	Zincke and Brauns	B., 15, 1973	**44**, 210
„	77·1 % C; 4·6 % N; 12·5 % N	„	....	224	„	B., 15, 1972	„

(19.) CHOP, CHOAs, CHOSb.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methylphosphinic acid	$Me.PO(OH)_2$	CH_5O_3P	....	105	Hofmann	B., 5, 106; 6, 306	**25**, 421; **vii.**, 956
Ethylic metaphosphate	$EtO.PO_2$	$C_2H_5O_3P$	b. 100	....	Carius	J. [1861], 586	
Dimethylphosphinic acid	$Me_2PO(OH)$	$C_2H_7O_2P$	....	76	Hofmann	B., 5, 108	**25**, 421; **vii.**, 956
Ethylphosphinic acid	$Et.PO(OH)_2$	$C_2H_7O_3P$	....	44	,,	B., 5, 110	**25**, 422; **vii.**, 957
Isopropylphosphinic acid	$Pr^{\beta}.PO(OH)_2$	$C_3H_9O_3P$	....	60–70	,,	B., 6, 304	**26**, 884; **vii.**, 957
Trimethylic phosphate	$PO(OMe)_3$	$C_3H_9O_4P$	197·2	....	Weger	A., 221, 61	**46**, 11
Hydroxypropylphosphinic acid	$Et.CH(OH).P(OH)_2$	,,	....	158–160	Fossek	M. C., 5, 121	**46**, 834
Diethylphosphinic acid	$Et_2PO(OH)$	$C_4H_{11}O_2P$	....	Liquid —25	Hofmann	B., 5, 110	**25**, 422; **vii.**, 957
Isobutylphosphinic acid	$Bu^{\beta}PO(OH)_2$	$C_4H_{11}O_3P$	....	100	,,	B., 6, 304	**26**, 884; **vii.**, 957
Dimethylic ethylic phosphate	$PO(OMe)_2(OEt)$	$C_4H_{11}O_4P$	203·3	....	Weger	A., 221, 61	**46**, 11
Hydroxyisobutylphosphinic acid	$Pr.CH(OH).P(OH)_2$	,,	....	168–169	Fossek	M. C., 5, 121, 627	**46**, 834; **48**, 504
Isoamylphosphinic acid	$C_5H_{11}.PO(OH)_2$	$C_5H_{13}O_3P$	....	160	Hofmann	B., 6, 305	**26**, 884; **vii.**, 957
Hydroxyamylphosphinic acid	$C_5H_{10}(OH).P(OH)_2$	$C_5H_{13}O_4P$	....	183–184	Fossek	M. C., 5, 121, 627	**46**, 834; **48**, 504
Phosphenylous acid	$Ph.P(OH)_2$	$C_6H_7O_2P$	A., 181, 303	70	Michaelis & Ananoff	B., 7, 1689	**28**, 467
Phosphenylic acid (phenylphosphinic acid)	$Ph.PO(OH)_2$	$C_6H_7O_3P$	A., 181, 321	158	Michaelis	B., 6, 819; A., 218, 85	**27**, 169; **44**, 735
,, ,,	,,	,,	....	158	,,	B., 7, 1070, 1689	**28**, 171
,, ,,	,,	,,	....	158	Schröder	B., 12, 564	
Phenylphosphoric acid	$PhO.PO(OH)_2$	$C_6H_7O_4P$	G. I., 11, 65	97–98	Jacobsen	B., 8, 1521	**29**, 596
Diacetonylphosphinic acid	$Pr^{\beta}.CHAc.PO(OH)_2$	$C_6H_{13}O_4P$	$+H_2O$	*63*	Michaelis	B., 18, 902	**48**, 747
,, ,, ...	,,	,,	,,	63–64	,,	B., 17, 1275	**46**, 991
Triethylphosphinic oxide	Et_3PO	$C_6H_{15}OP$	240–245	A., 104, 18	Wichelhaus	B., 1, 80	
,, ,, ...	,, (As., 7, 1)	,,	240 c.	44	Hofmann	13, 295	**iv.**, 612
,, ,, ...	,,	,,	240	*52·9*	Pebal	A., 120, 194	,,
,, ,, ...	,, (A., 137, 119)	,,	*242·8–243 u.c.*	s. 51·9	Crafts and Silva	Z. C. [1871], 359	**24**, 633; **vii.**, 954
Diethylic ethylphosphite	$Et.PO(OEt)_2$	$C_6H_{15}O_3P$	188	....	Zimmermann	A., 175, 8	**28**, 440
,, ,, ...	,,	,,	191	....	Railton	7, 216	**iv.**, 534
,, ,, (J., 1876, 206)	,,	,,	*188–191*	A., 92, 348	Williamson	J., 7, 563	
,, ,, ...	,,	,,	192	....	Wichelhaus	As., 6, 269	
Triethylic phosphate	$PO(OEt)_3$	$C_{16}H_{15}O_4P$	200	Liquid —18	Carius	A., 119, 289	**vii.**, 1120
,, ,, ...	,,	,,	214	A., 69, 193; 91, 376	Zimmermann	A., 175, 1; B., 7, 290	**27**, 655; **28**, 441
,, ,, ...	,,	,,	*215*	....	Carius	A., 112, 190	**vi.**, 592
,, ,, ...	,,	,,	215	A., 137, 121	Limpricht	J., 18, 471	
Carboxylphenyl phosphoric oxide	$O_2P.O.C_6H_4.CO_2H{=}1.2$	$C_7H_5O_5P$	....	145	Anschütz	A., 228, 308	**48**, 1062
Benzophosphinic acid	$(HO)_2PO.C_6H_4.CO_2H{=}1.4$	$C_7H_7O_5P$	A., 212, 231	a. 300	Michaelis & Panek	B., 14, 405	**40**, 604
Tolylphosphinous acid	$C_6H_4Me.PO_2H_2{=}1.2$	$C_7H_9O_2P$	....	Liquid	,,	A., 212, 223	**42**, 960
,, ,, ...	,, =1.4	,,	....	104	,,	B., 13, 655	**38**, 641
,, ,, ...	,, ,,	,,	....	*104–105*	,,	A., 212, 218	**42**, 960
Tolylphosphinic acid	$C_6H_4Me.PO(OH)_2{=}1.2$	$C_7H_9O_3P$	....	141	,,	A., 212, 232	**42**, 963
,, ,, ...	,, =1.4	,,	....	188	,,	B., 13, 655	**38**, 641
,, ,, ...	,, ,,	,,	....	*189*	,,	A., 212, 224	**42**, 962
Cresylic phosphate	$PO(OH)_2(O.C_6H_4Me){=}1.4$	$C_7H_9O_4P$	....	116	Rapp	A., 224, 156	**46**, 1338
Xylylphosphinous acid	$C_6H_3Me_2.PO_2H_2$	$C_8H_{11}O_2P$	....	97-98	Michaelis & Panek	A., 212, 237	**42**, 964

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dimethylic phosphenylate	$Ph.PO(OMe)_2$	$C_8H_{11}O_3P$	247 u.c.	Liquid	Michaelis and Benzinger	A., 181, 325; B., 8, 1311	**29**, 598
Xylylphosphinic acid	$C_6H_3Me_2.PO(OH)_2$	,,	....	186–187	Michaelis & Panek	A., 212, 238	**42**, 964
Dimethylphosphobenzoic acid	$C_6H_4.CO_2H.PMe_2O=1.4$	$C_9H_{11}O_3P$	....	243	Michaelis & Czimatis	B., 15, 2020	**44**, 56
Naphthylphosphinous acid	$C_{10}H_7.PO_2H_2$	$C_{10}H_9O_2P$	....	125–126	Kelbe	B., 11, 1500	**36**, 68
Naphthylphosphinic acid	$C_{10}H_7.PO(OH)_2$	$C_{10}H_9O_3P$	....	190	,,	B., 9, 1052	**30**, 525
Diethylphenylphosphine oxide	Et_2PhPO	$C_{10}H_{15}OP$	a. 360	55–56	Ananoff & Michaelis	B., 8, 496; A., 181, 354	**28**, 1204
Diethylic phosphenylite	$Ph.P(OEt)_2$	$C_{10}H_{15}O_2P$	235	Liquid	Köhler & Michaelis	B., 10, 817	**32**, 449
,, phosphenylate	$Ph.PO(OEt)_2$	$C_{10}H_{15}O_3P$	267 u.c.	Liquid	Michaelis and Benzinger	A., 181, 335; B., 8, 1311	**29**, 598
Turpentine phosphorous acid	....	$C_{10}H_{16}O_2P$ (?)	....	50 d.	Köhler & Schimpf	D. P., 199, 510	vii., 959
Diethylic tolylphosphinite ...	$C_6H_4Me.P(OEt)_2=1.4$	$C_{10}H_{17}O_2P$	280	Liquid	Michaelis & Panek	A., 212, 222	**42**, 961
Diphenylphosphinic acid	$Ph_2PO.OH$	$C_{12}H_{11}O_2P$	B., 11, 885	174	Michaelis & Graeff	B., 8, 1305	**29**, 596
,, ,, ...	,,	,,	B., 12, 564	190	Michaelis	B., 10, 628	**32**, 453
,, ,, ...	,	,,	B., 15, 801	190	Köhler & Michaelis	B., 10, 813	**32**, 451
Phenylphosphenylic acid	$Ph.PO(OH)(OPh)$	$C_{12}H_{11}O_3P$	....	57	Michaelis and Kammerer	B., 8, 1309; A., 181, 336	**29**, 598; **44**, 735
Diphenylphosphoric acid	$PO(OH)(OPh)_2$	$C_{12}H_{11}O_4P$	A., 143, 193	Liquid	Jacobsen	B., 8, 1235, 1522	**29**, 596
PCl_5 on methylene diphenyl oxide	$(C_{13}H_9O)PO_3$	$C_{13}H_9O_4P$	....	255–256	Richter	J. p. [2], 28, 273	**46**, 324
Diphenylmethylphosphine oxide	Ph_2MePO	$C_{13}H_{13}OP$	a. 360	*110*	Michaelis & Soden	A., 229, 334	**48**, 1135
,, ,,	,,	,,	....	111–112	Michaelis & Coste	B., 18, 2117	
Diphenylethylphosphine oxide	Ph_2EtPO	$C_{14}H_{15}OP$	a. 360	121	Michaelis & Soden	A., 229, 334	**48**, 1135
Ethylic diphenylphosphinate	$Ph_2PO.OEt$	$C_{14}H_{15}O_2P$	....	165	Götter & Michaelis	B., 11, 888	**34**, 724
Ethylic phosphate	$(EtO)_3H.PO.P(OEt)_4$	$C_{14}H_{36}O_8P_2$	150–160 d.	Liquid	Geuther	A., 224, 274	**46**, 1282
Diphenylpropylphosphine oxide	$Ph_2Pr^{\alpha}PO$	$C_{15}H_{17}OP$	a. 360	....	Michaelis & Soden	A., 229, 334	**48**, 1135
Diphenylisopropylphosphine oxide	$Ph_2Pr^{\beta}PO$	,,	a. 360	....	,,	,,	,,
? acid	....	$C_{15}H_{17}O_3P$	....	142	Græbe	B., 7, 1628	**28**, 457
Triisoamylphosphine oxide	$(CHMe_2.CH_2.CH_2)_3PO$	$C_{15}H_{33}OP$	a. 360	60–65	Hofmann	B., 6, 305	**26**, 884; vii., 955
Diisoamylic isoamylphosphinate	$C_5H_{11}.PO(OC_5H_{11})_2$	$C_{15}H_{33}O_3P$	236	B. S., 18, 151	Railton	7, 218	iv., 532
,, ,,	,,	,,	236	A., 92, 350	Williamson	J., 7, 564	
Oxatylic phosphate	$C_{16}H_{15}O_3.PO_3H_2$	$C_{16}H_{17}O_6P$	....	160	Spiegel	B., 13, 2220	**40**, 173
Diphenylisobutylphosphine oxide	$Ph_2Bu^{\beta}PO$	$C_{16}H_{19}OP$	a. 360	....	Michaelis and Soden	A., 229, 334	**48**, 1135
Diphenylisoamylphosphine oxide	$Ph_2(C_5H_{11})PO$	$C_{17}H_{21}OP$	a. 360	96	,,	,,	,,
Phenoxydiphenylphosphine	$Ph_2P.OPh$	$C_{18}H_{15}OP$	265–270 (62)	Liquid	Michaelis and Coste	B., 18, 2109, 2110	**48**, 1214
Triphenylphosphine oxide	Ph_3PO	,,	a. 360	....	Michaelis and Soden	B., 17, 922	**46**, 1180
,, ,, ,, ...	,,	,,	....	153·5	Michaelis and Coste	B., 18, 2121	
Phenylic diphenylphosphinate	$Ph_2PO.OPh$	$C_{18}H_{15}O_2P$	310 (62) p.d.	135–136	,,	B., 18, 2110, 2114	**48**, 1214
Triphenylic phosphite	$P(OPh)_3$	$C_{18}H_{15}O_3P$	a. 360	Liquid	Noack	A., 218, 85	**44**, 735
Diphenylic phosphenylate	$Ph.PO(OPh)_2$	,,	a. 360	63·5	Michaelis and Kammerer	A., 181, 338; B., 8, 1308	**29**, 598; **44**, 735
Triphenylic phosphate	$PO(OPh)_3$	$C_{18}H_{15}O_4P$	407	B., 15, 640	Andrews	B., 14, 2116	**42**, 135
,, ,, ...	,,	,,	*410–412 c.*	*45*	Kreysler	B., 18, 1719	
,, ,, ...	,,	,,	A., 92, 317	45	Jacobsen	B., 8, 1523	**29**, 596
Triphenylphosphonium hydroxide	....	$C_{18}H_{17}O_2P$	....	148	Michaelis and Gleichmann	B., 15, 803	**42**, 1062
Diphenylbenzylphosphine oxide	$(Ph.CH_2)Ph_2PO$	$C_{19}H_{17}OP$	....	192–193	Michaelis and Coste	B., 18, 2116, 2117	**48**, 1215
Dinaphthylphosphinic acid....	$(C_{10}H_7)_2PO.OH$	$C_{20}H_{15}O_2P$	....	202–204	Kelbe	B., 11, 1502	**36**, 68
Tetrahydroxamylidine phosphonium hydroxide	$(C_5H_{10}.OH)_4P.OH$	$C_{20}H_{45}O_5P$	....	125–126	Girard	A. C. (6), 2, 1	**46**, 1119

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tribenzylphosphine oxide	$(Ph.CH_2)_3PO$	$C_{21}H_{21}OP$	....	210–212	Letts and Collie	T. E., 30, 181	**42**, 724
" " " ...	"	"	....	212	"	"	**42**, 725
" " "	"	"	....	*213*	Fleissner	B., 13, 1666	**40**, 264
Tricresylic phosphate	$PO(O.C_6H_4Me)_3=(1.4)_3$	$C_{21}H_{21}O_4P$	....	67–68	Wolkow	Z. C. [1870], 323	
" "	" "	"	....	*76*	Rapp	A., 224, 156	**46**, 1338
" "	" "	"	....	78	Weber and Heim	B., 15, 640	
Stearylglycerolphosphoric acid	$C_3H_5(OSt)(OH).O.PO(OH)_2$	$C_{21}H_{43}O_7P$ (?)	....	35	Hundeshagen	J. p. [2], 28, 219	**46**, 282
Trixylylic phosphate	$PO(O.C_6H_3Me_2)_3=(1.2.?)_3$	$C_{24}H_{27}O_4P$	dist.(180–200)	Liquid	Kreysler	B., 18, 1702	**48**, 1054
" "	" $=(1.3.?)_3$	"	dist. (200)	Liquid	"	"	**48**, 1055
?	$C_{13}H_{13}OP$?	$C_{25}H_{22}O_2P_2$ (?)	....	154–155	Michaelis and Gleichmann	B., 15, 1963	**44**, 186
Tetrabenzylphosphonium hydroxide	$(Ph.CH_2)_4P.OH$	$C_{28}H_{29}OP$	....	190–211	Letts and Collie	T. E., 30, 181	**42**, 724
β-Trinaphthylic phosphate	$PO(O.C_{10}H_7)_3$	$C_{30}H_{21}O_4P$	B., 15, 312	108	Schäffer	A., 152, 290	**vi.**, 856, 859
α- " " ..	"	"	B., 15, 640	145	"	A., 152, 289	"
Triisobutylic phosphate	$PO(O.C_6H_4.Bu^{\beta})_3=(1.4)_3$	$C_{30}H_{39}O_4P$	a. 400 p.d.	Liquid	Kreysler	B., 18, 1701	**48**, 1054
Trithymylic phosphate	$PO(O.C_6H_3MePr^{\alpha})_3=(6.4.1)_3$	"	....	59	Engelhardt and Latschinoff	Z. C. [2], 5, 44	**vi.**, 1090
" "	" "	"	....	59	Kreysler	B., 18, 1705	**48**, 1055
Tricarvacrylic phosphate	" $=(5.4.1)_3$	"	....	71·5–72	Jahns	B., 15, 818	
" "	" "	"	dist. in vac.	*75*	Kreysler	B., 18, 1704	"
Triisoamylphenylic phosphate	$PO(O.C_6H_4.C_5H_{11})_3$	$C_{33}H_{45}O_4P$	a. 400 p.d.	Liquid	"	B., 18, 1702	**48**, 1054
Tri(benzylphenylic) phosphate	$PO(O.C_6H_4.CH_2Ph)_3$	$C_{39}H_{33}O_4P$	J. [1873], 440	93–94	Paterno and Fileti	G. I., 3, 121, 251	**27**, 372
β-Distearyl glycerol phosphoric acid	$C_3H_5(OSt)_2.O.PO(OH)_2$	$C_{39}H_{77}O_8P$	....	60	Hundeshagen	J. p. [2], 28, 219	**46**, 281
α- " "	"	"	....	62·5	"	"	"
Arsenmethyl oxide	Me.AsO	CH_3OAs	....	95	Baeyer	A., 107, 284	**i.**, 402
Cacodylic acid (A., 107, 263)	$Me_2AsO(OH)$	$C_2H_7O_2As$	B., 12, 22	200; r.s. 90	Bunsen	A., 46, 11	
Ethylarsinic acid	$Et.AsO(OH)_2$	$C_2H_7O_3As$	C. R., 50, 1022	abt. 95	Coste	A., 208, 34	
Arsenious glyceride	$As \vdots O_3 \vdots C_3H_5$	$C_3H_5O_3As$	d. 250	50	Schiff	J. [1867], 574	
" " ...	....	"	....	200; sf. 100	Jackson	C. N., 49, 258	**46**, 896
Trimethylic arsenite....	$As(OMe)_3$	$C_3H_9O_3As$	128–129 (760)	B.S., 14, 104	Crafts	J. P. [4], 13, 242	**24**, 819
" arsenate	$AsO(OMe)_3$	$C_3H_9O_4As$	213–215 (760)	B.S., 14, 101	"	"	**24**, 818
" "	"	"	128–130 (60)	....	"	"	"
Arsendiethylic acid	....	$C_4H_{11}O_2As$	....	190	....	A., 92, 365	**i.**, 398
Cacodyl oxide	$O(AsMe_2)_2$	$C_4H_{12}OAs_2$	120	....	....	A., 37, 6; 92, 364; 107, 283	**i.**, 407
Phenylarsine oxide	Ph.AsO	C_6H_5OAs	....	119–120	Michaelis	B., 10, 624	**32**, 452
Phenylarsinic acid	$Ph.AsO(OH)_2$	$C_6H_7O_3As$	B., 15, 1954	sf. 158	Coste and Michaelis	B., 11, 1884	**36**, 161
" "	"	"	A., 201, 204	*168*	Michaelis	B., 9, 1568	**31**, 311
Triethylic arsenite	$As(OEt)_3$	$C_6H_{15}O_3As$	*165–166*	B.S., 14, 103	Crafts	J. p. [4], 13, 242	**24**, 819
" "	"	"	166–168	....	"	B. S. [2], 8, 206	**vi.**, 221
" arsenate	$AsO(OEt)_3$	$C_6H_{15}O_4As$	235–238 (760)	....	"	"	**vi.**, 226
" "	"	"	148–153 (60)	....	"	"	"
" "	"	"	148–150 (60)	....	"	B. S., 14, 99	
Tolylarsene oxide	$C_6H_4Me.AsO=1.2$	C_7H_7OAs	....	145–146	Coste and Michaelis	B., 11, 1889; A., 201, 251	**36**, 163; **38**, 397
" "	" $=1.4$	"	....	156	"	"	"
Tolylarsinic acid	$C_6H_4Me.AsO(OH)_2=1.2$	$C_7H_9O_3As$	....	159–160	"	"	"
" "	" $=1.4$	"	....	d.w.m. 300	"	"	"
Naphthylarsine oxide	$C_{10}H_7.AsO$	$C_{10}H_7OAs$	B., 14, 913	245	Michaelis & Schulte	B., 15, 1954	
Naphthylarsinic acid ..	$C_{10}H_7.AsO(OH)_2$	$C_{10}H_9O_3As$	....	197	Kelbe	B., 11, 1503	**36**, 68
Diphenylarsinic acid....	$Ph_2AsO.OH$	$C_{12}H_{11}O_2As$	B., 12, 564	174	Michaelis and Coste	A., 201, 231; B., 9, 1569	**31**, 311; **38**, 397
Dibenzylarsinic acid....	$(Ph.CH_2)_2AsO.OH$	$C_{14}H_{15}O_2As$	....	210·5	Michaelis & Pätow	B., 18, 43	**48**, 527
Ditolylarsinic acid	$(C_6H_4Me)_2AsO.OH=(1.4)_2$	"	....	167	Coste	A., 208, 20	**40**, 904
Triisoamylic arsenite	$As(O.C_5H_{11})_3$	$C_{15}H_{33}O_3As$	288 (760) p.d.	....	Crafts	J. P. [4], 13, 242	**24**, 819
" " ...	"	"	193–194 (60)	....	"	B. S., 14, 105	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dimethylic dibenzarsenate	HO.OAs(C_6H_4.CO_2Me)$_2$	$C_{16}H_{15}O_6As$	....	a. 280	Coste	A., 208, 23	**40**, 904
Triphenylarsine oxide ...	Ph_3AsO	$C_{18}H_{15}OAs$	....	189	Michaelis	A., 201, 244	
„ hydroxide....	$Ph_3As(OH)_2$	$C_{18}H_{17}O_2As$	B., 11, 1888	108	Coste and Michaelis	A., 201, 243	**36**, 163
Tribenzylarsine oxide	$(Ph.CH_2)_3AsO$	$C_{21}H_{21}OAs$	....	219·5	Michaelis & Pätow	B., 18, 44	**48**, 527
Diphenylarsine oxide	$O(AsPh_2)_2$	$C_{24}H_{20}OAs_2$	A., 201, 230	91–92	Michaelis and Coste	B., 11, 1886	**36**, 162
Ditolylarsine oxide	O[As(C_6H_4Me)$_2$]$_2$=(1.4)$_4$	$C_{28}H_{28}OAs_2$	....	98	Coste	A., 208, 20	**40**, 904
Tritolylstibine oxide....	(C_6H_4Me)$_3$SbO=(1.4)$_3$	$C_{21}H_{21}OSb$	....	223·5	Michaelis&Genzken	B., 17, 925	**46**, 1136
„ hydroxide	C_6H_4Me)$_3$Sb(OH)$_2$=(1.4)$_3$	$C_{21}H_{23}O_2Sb$	....	169·5	„	„	„

(20.) CHSN, CHSP, CHSAs, CHSSb, CHSBi.

Thiocyanic acid	HS.CN	CHSN	85	....	Artus	....	v., 505
„	„	„	102	12	Vogel	....	„
Ammonium thiocyanate	(NH_4)S.CN	CH_4SN_2	....	147	....	....	v., 506
„ „	„	„	....	159	Richter	R. K. T., 12	
Thiocarbamide	$CS(NH_2)_2$	„	....	149	Reynolds	[2], 7, 1	vi., 1117
„	„	„	....	149	Volhard	B., 18, 461	
„	„	„	....	151	Baumann	G. J. C., 1873	
„	„	„	....	167	Richter	R. K. T., 12	
„	„	„	....	169	Traube	B., 18, 461	**48**, 739
„	„	„	....	*170*; af. 149	Pratorius—Seidler	J. p. [2], 21, 129	**38**, 371
„	„	„	....	172	Claus	G. J. C., 1875	
?	....	„	....	94	Linnemann	A., 120, 86	v., 515
Methylic thiocyanate	MeS.CN	C_2H_3SN	132–133	....	Cahours	A. C. [3], 18, 261	v., 520
„ „	„	„	*132·86*	....	Pierre	C. R., 27, 213	
Methylthiocarbimide	Me.N : CS	„	118	....	Hofmann	B., 13, 1350	**38**, 797
„	„	„	*119*	34	„	B., 1, 172	vi., 1056
Thiacetamide	$CH_3.CS.NH_2$	C_2H_5SN	....	107·5–108·5	Bernthsen	B., 10, 38; A., 192, 45	**32**, 887; **34**, 791
„	„	„	....	108	Hofmann	B., 11, 340	
Methylthiocarbamide	NH_2.CS.NHMe	$C_2H_6SN_2$	....	b. 100	Bernthsen&Klinger	B., 11, 493	
Cyanogen sulphide +2NH_3	$(CN)_2S+2NH_3$	$C_2H_6SN_4$	....	94	Linnemann	A., 120, 40	
Thiodicyandiamine	....	„	....	a. 100	Rathke	B., 11, 965	
Guanylic thiocyanate	....	„	....	118	Volhard	J. p. [2], 9, 6	**27**, 576
Methylene thiocyanate	$CH_2(SCN)_2$	$C_3H_2S_2N_2$	....	102	Lermontoff	B., 7, 1282	**28**, 144
Ethylthiocarbimide	Et.N : CS	C_3H_5SN	133·2	Liquid	Buff	Z. C. [2], 4, 730	vi., 1055
„	„	„	*134*	Liquid	Hofmann	B., 1, 206	„
Ethylic thiocyanate	EtS.CN	„	141–142	Liquid	Meyer and Wurster	B., 6, 965	**26**, 1224
„ „	„	„	*146 c.*	Liquid	Buff	Z. C. [2], 4, 730	vi., 1055
„ „	„	„	146 c.	....	Cahours	A. C. [3], 18, 265	v., 519
Ethylene thiocarbamide	CS : N_2H_2 : C_2H_4	$C_3H_6SN_2$	....	194	Hofmann	B., 5, 242	**25**, 501; vii., 492
Ethylic dithiocarbamate	NH_2.CS.SEt	$C_3H_7S_2N$	....	*40–41*	Chanlaroff	B., 15, 1989	
„ „	„	„	J. [1866], 501	41–42	Conrad & Salomon	J. p. [2], 10, 30	
Ethylthiocarbamide	NH_2.CS.NHEt	$C_3H_8SN_2$	....	89	Hofmann	B., 1, 27	
„	„	„	....	100	„	Z. C. [1868], 686	vi., 1050
„	„	„	....	*106*	„	B., 2, 602	
Dimethylthiocarbazinic acid	NMe_2.NH.CS.SH	$C_3H_8S_2N_2$	....	112	Renouf	B., 13, 2172	**40**, 152
Propargylic thiocyanate	C_3H_3.S.CN	C_4H_3SN	....	Liquid	Henry	B., 6, 729	**26**, 1123
Ethylene thiocyanate	$C_2H_4(S.CN)_2$	$C_4H_4S_2N_2$	J. p. [2], 26, 379	90	Buff	A., 100, 231	v., 520
Allylthiocarbimide (mustard oil)	CH_2 : CH.CH_2.N : CS	C_4H_5SN	143	....	Dumas and Pelouze	A. C. [2], 53, 182	
„ „	„	„	148	Liquid	Will	A., 52, 4	v., 516
„ „	„	„	148·2 (760)	....	Kahlbaum	B., 17, 1261	
„ „	„	„	81·2 (75)	....	„	„	
„ „	„	„	72·2 (50)	....	„	„	
„ „	„	„	57·8 (25)	....	„	„	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Allylthiocarbimide (mustard oil)	$CH_2:CH.CH_2.N:CS$	C_4H_5SN	53·8 (20)	....	Kahlbaum	B., 17, 1261	
,, ,,	,,	,,	48·4 (15)	....	,,	,,	
,, ,,	,,	,,	41·5 (10)	....	,,	,,	
,, ,,	,,	,,	31·4 (5)	....	,,	,,	
,, ,,	,,	,,	14·6 (0)	....	,,	,,	
,, ,,	,,	,,	148–149	....	Gerlich	B., 8, 652	
,, ,,	,,	,,	150	....	Billeter	B., 8, 465	
,, ,,	,,	,,	*150·4–150·7 c.*	....	Kopp	A.	
Allylic thiocyanate (B., 8, 464)	$CH_2:CH.CH_2.S.CN$	,,	161	A., 178, 80	Gerlich	B., 8, 652	
Propimine thiocyanate	$NH:CMe.CH_2.S.CN$	$C_4H_6SN_2$	231–232 (760)	42	Tscherniac and Norton	A. C. J., 5, 227; C. R., 96, 444	**44**, 568; **46**, 665
,, ,, ...	,,	,,	136 (30–40)	....	,,	B., 16, 347	
Isopropylthiocarbimide	$Pr^\beta.N:CS$	C_4H_7SN	137–137·5	Liquid	Jahn	B., 15, 1290; M. C., 3, 168	
Isopropylic thiocyanate	$Pr^\beta S.CN$	,,	149–151	Liquid	Henry	B., 2, 496	vi., 966
,, ,, ...	,,	,,	152–153	A., 178, 83	Gerlich	B., 8, 651	**28**, 1019
Propylic thiocyanate	$Pr^\alpha S.CN$	,,	163	Liquid	Schmitt	Z. C. [2], 6, 576	vii., 1118
Allylenethiocarbamide (thiosinamine)	$C_3H_5.NH.CS.NH_2$	$C_4H_8SN_2$	A., 10, 326	70·6	Dumas and Pelouze	A. C. [2], 53, 181	v., 781
,, ,,	J. [1854], 599; [1855], 656	,,	Z. C., 1869, 258	*74*	Wertheim	....	,,
Trimethylenethiocarbamide	$C_3H_6.NH.CS.NH$	,,	....	198	Lellmann and Würthner	A., 228, 199	**48**, 978
Isopropylic dithiocarbamate	$NH_2.CS.SPr^\beta$	$C_4H_9S_2N$	....	97	Gerlich	A., 178, 82	
Methylic dimethylthiocarbamate	$NMe_2.CS.SMe$	,,	B. S., 33, 13	125	Bleunard	C. R., 87, 1040	**36**, 305
Methylethylthiocarbamide	$CS:N_2H_2MeEt$	$C_4H_{10}SN_2$	J., 1868, 655	54	Hofmann	B., 1, 27	vi., 1051
Isopropylthiocarbamide	$NH_2.CS.NHPr^\beta$	,,	M. C., 3, 168	157	Jahn	B., 15, 1290	
Ethylenediamine thiocyanate	$C_2H_4(NH_2)_2+2HSCN$	$C_4H_{10}S_2N_4$	....	145 p. d.	Hofmann	A., 170, 143; B., 5, 246	**25**, 501; vii., 491
Diethylamine sulphhydrate	....	$C_4H_{13}SN$	10 (150)	tension	Isambert	C. R., 96, 708	**44**, 727
Thiophene nitril	$C_4H_3S.CN$	C_5H_3SN	190	Liquid	Meyer and Kreis	B., 16, 2174	**48**, 46
Crotonyl thiocarbimide	$C_4H_7.N:CS$	C_5H_7SN	179	Liquid	Hofmann	B., 7, 516	
Thiocyanopropimine thiocyanate	$(NCS.CH_2.CMe:NH)HSCN$	$C_5H_7S_2N_3$	d. a. 175	114–115	Tscherniac & Norton	A. C. J., 5, 227; C. R., 96, 494; B., 16, 346	**44**, 568; **46**, 664
Isobutylic thiocyanate	$Bu^\beta.S.CN$	C_5H_9SN	174–176	....	Reimer	B., 3, 757	**24**, 122; vii., 223
Butylthiocarbimide	$CH_3.(CH_2)_3.N:CS$	,,	167	....	Hofmann	B., 7, 512	**27**, 792
Isobutylthiocarbimide	$CHMe_2.CH_2.N:CS$	,,	156–159	....	Simon	P. A., 50, 377	
,,	,,	,,	159–160	....	Hofmann	B., 2, 102	vii., 223
,,	,,	,,	160	....	,,	Z. C. [2], 5, 400	vi., 1056
,,	,,	,,	*161–163*	....	,,	B., 7, 509	**27**, 792
,,	,,	,,	161–163	....	Reimer	B., 3, 757	**24**, 122
Butylthiocarbimide	$CH_3.CH_2.CHMe.N:CS$	,,	*159·5*	Liquid	Hofmann	B., 7, 513	**27**, 792
,, ...	,,	,,	159–160	....	,,	Z. C. [2], 5, 400	vi., 1056
,, (J. R., 11, 179)	$CMe_3.N:CS$	,,	140	10·5	Rudneff	B. S. [2], 33, 300	**38**, 548
,, ...	,,	,,	142	10·5	,,	B., 11, 988	**36**, 41
,, ...	,,	,,	*142·5* (733)	10·5	,,	B., 12, 1023	**36**, 713
Crotonylthiocarbamide	$NH_2.CS.NH.C_4H_7$	$C_5H_{10}SN_2$	....	85	Hofmann	B., 7, 516	**27**, 792
Diethylidene thiocarbamide ammonia	$CS(N:CHMe)_2+NH_3$	$C_5H_{11}SN_3$	....	180	Nencki	B., 7, 162	**27**, 458
Diethylthiocarbamide	$CS(NHEt)_2$	$C_5H_{12}SN_2$	J. R., 10, 191	77	Hofmann	Z. C. [1868], 686; B., 1, 26; 2, 601	vi., 1050
Butylthiocarbamide	$NH_2.CS.NH.(CH_2)_3.CH_3$	,,	....	79	,,	B., 7, 512	**27**, 792
Isobutylthiocarbamide	$NH_2.CS.NH.CH_2.CHMe_2$	,,	....	90	,,	Z. C. [2], 5, 400	vi., 1056
,,	,,	,,	....	90–91	Reimer	B., 3, 757	**24**, 122; vii., 223
,,	,,	,,	....	*93·5*	Hofmann	B., 7, 511	**27**, 792
Butylthiocarbamide	$NH_2.CS.NH.CHMeEt$	,,	....	*133*; 134	,,	B., 7, 513	,,
,, ...	,,	,,	....	135	,,	Z. C. [2], 5, 400	vi., 1056

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Butylthiocarbamide	$NH_2.CS.NH.CMe_3$	$C_5H_{12}SN_2$	J. R., 11, 179	165 d.	Rudneff	B., 12, 1023; B. S. [2], 33, 300	**36**, 713; **38**, 548
Trimethylenediamine thiocyanate	$C_3H_6(NH_3.SCN)_2$	$C_5H_{12}S_2N_4$	d. 140	102	Lellmann and Würthner	A., 228, 199	**48**, 978
Ethammonium ethylthiocarbamate	$NHEt.CS.S(NH_3Et)$	$C_5H_{14}S_2N$	J. R., 10, 188	103	Hofmann	B., 1, 25, 170	vi., 1049
Glyceryl trithiocyanate	$C_3H_5(SCN)_3$	$C_6H_5S_3N_3$	....	126	Henry	B., 2, 637	vi., 1057
Amidothiophenol	$SH.NH_2$=1.3	C_6H_7SN	very high	Liquid	Biedermann	B., 8, 1676	
"	" "	"	....	Liquid	Glutz and Schrank	J. p. [2], 2, 223	
" (B., 12, 2363)	" =1.2	"	234	26	Hofmann	B., 13, 20, 1231	
" (?)	" =1.4(?)	" (?)	....	105–106	Schmidt	B., 11, 1168	**34**, 974
Angelylthiocarbimide	$C_5H_9.N:CS$	C_6H_9SN	190	....	Hofmann	B., 8, 106	**28**, 564
"	"	"	190	....	"	B., 12, 991	**36**, 712
Trimethylic thiocyanurate	....	$C_6H_9S_3N_3$	....	188	"	B., 13, 1351	**38**, 798
Isoamylic thiocyanate	$CHMe_2.CH_2.CH_2.S.CN$	$C_6H_{11}SN$	197	J., 1868, 652	Medlock	A., 69, 222	v., 519
" "	"	"	195–210	....	Henry	J., 1, 700	
Isoamyl thiocarbimide	$CHMe_2.CH_2.CH_2.N:CS$	"	*183–184*	Liquid	Hofmann	B., 1, 173, 206	vi., 1056
" "	"	"	182	....	Buff	Z. C. [2], 4, 730	"
Amyl " (J. R. 11, 180)	$CMe_2Et.N:CS$	"	166	Liquid −10	Rudneff	B. S. [2], 33, 300; B., 12, 1023	**38**, 548
Angelyl thiocarbamide	$C_5H_9.NH.CS.NH_2$	$C_6H_{12}SN_2$	....	103	Hofmann	B., 8, 106	**28**, 564
" "	"	"	....	103	"	B., 12, 991	**36**, 712
Piperidylthiocarbamide	$C_5H_{10}:N.CS.NH_2$	"	....	92	Gebhardt	B., 17, 3041	**48**, 384
Thiodiethyloxamide	$NHEt.CS.CS.NHEt$	$C_6H_{12}S_2N_2$	....	54	Wallach & Pirath	B., 12, 1064	**36**, 784
Piperylthiosemicarbazide	$C_5H_{10}N.NH.CS.NH_2$	$C_6H_{13}SN_3$	....	167	Knorr	A., 221, 297	**46**, 468
Thialdine	J. p. 98, 315; B. S. 38, 129	$C_6H_{13}S_2N$	A., 103, 93	43	Wöhler and Liebig	A., 61, 4	v., 773
"	B., 11, 1384, 1692	"	J., 1856, 518	43	Kerr	P. M. [5], 13, 257	
Phenylthiocarbimide (Thiocarbanil)	$Ph.N:CS$	C_7H_5SN	*218·5 (760)*	J. R., 10, 184	Kahlbaum	B., 17, 1261	
" "	" (Z. C., 1869, 589)	"	134·9 (75)	....	"	"	
" "	"	"	126·6 (50)	B., 3, 861	"	"	
" "	"	"	111·6 (25)	B., 9, 1266	"	"	
" "	"	"	106·2 (20)	B., 11, 2267	"	"	
" "	"	"	99·4 (15)	B., 12, 1126	"	"	
" "	"	"	91·2 (10)	B., 14, 445	"	"	
" "	"	"	80·5 (5)	B., 14, 1083	"	"	
" "	"	"	66·1 (0)	B., 15, 985	"	"	
" "	"	"	220	B., 3, 772	Hofmann	P. R., 8, 274, 487	v., 521
" "	"	"	222	....	"	J., 11, 349	
" "	"	"	222	....	Weith	B., 6, 210	
Phenylic thiocyanate ...	$PhS.CN$	"	231 c.	Liquid	Billeter	B., 7, 1753	**28**, 464
Methenylamidothiophenol	$C_6H_4.N:CH.S$	"	230	Liquid	Hofmann	B., 13, 15, 1224	**38**, 388
Phenylthiocarbizine	$Ph.N.NH.CS$	$C_7H_6SN_2$	....	129	Fischer & Besthorn	A., 212, 326	**42**, 1093
Amidophenylthiocarbimide....	$NH_2.C_6H_4.N:CS$=?	"	....	129	Hofmann	B., 12, 1129; 13, 11	**38**, 388
Phenylenthiocarbamide	$C_6H_4.NH.CS.NH$=1.2	"	brown 260	280 d.	Lellmann	B., 15, 2146; A., 221, 1	**44**, 185; **46**, 49
"	" "	"	....	*290 d.*	"	B., 15, 2839	**44**, 324
Thiobenzamide	$Ph.CS.NH_2$	C_7H_7SN	B., 10, 1240	115–116	Bernthsen	A., 192, 48	**34**, 789
Thioformanilide	$Ph.NH(CSH)$	"	....	134	"	A., 192, 35	**34**, 790
"	"	"	B., 11, 338	*137·5*	Hofmann	B., 10, 1095	**32**, 604
"	"	"	....	137·5	Nicol	B., 15, 211	
Dithiocarbanilic acid	$Ph.NH.CS_2H$	$C_7H_7S_2N$	....	60–70	Rathke	B., 11, 960	
Phenylthiocarbamide	$NH_2.CS.NHPh$	$C_7H_8SN_2$	....	148–149	Schiff	B., 11, 2167	**36**, 452
"	"	"	B., 9, 820	153	Gebhardt	B., 17, 3034	**48**, 383
"	"	"	J., 1858, 349	*154*	Clermont	B., 9, 446	
Amidothiobenzamide	$NH_2.(CS.NH_2)$=1.3	"	P. R., 10, 599	....	Hofmann	B., 1, 197	
"	" =1.4	"	....	170	Engler	A., 149, 302	vi., 527
Amidothiocresol	$Me.SH.NH_2$=1.2.6	C_7H_9SN	....	Liquid	Hesse	B., 14, 489	**40**, 597
"	" =1.3.4	"	....	Liquid	"	B., 14, 492	
"	" =1.4.6	"	....	Liquid	"	B., 14, 492	
"	" =1.2.4	"	....	42	"	B., 14, 488	**40**, 596

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenylthiosemicarbazide	....	$C_7H_9SN_3$	....	200–201	Fischer & Besthorn	A., 212, 324	**42**, 1093
Hexylthiocarbimide	$CH_3.(CH_2)_5.N:CS$	$C_7H_{13}SN$	212 (758)	....	Frentzsch	B., 16, 746	**44**, 1075
"	$CH_3.(CH_2)_3CHMe.N:CS$	"	197–198;199c.	Liquid	Uppenkamp	B., 8, 56	**28**, 552
Hexylic thiocyanate	J. [1863], 526	"	215–220	....	Pelouze & Cahours	A. C. [4], 1, 5	v., 520
" "	$CH_3.(CH_2)_3.CHMe.S.CN$	"	206–207·5; 210 c.	Liquid	Uppenkamp	B., 8, 55	**28**, 552
Piperidylmethylthiocarbamide	$NHMe.CS.N:C_6H_{10}$	$C_7H_{14}SN_2$	....	125	Gebhardt	B., 17, 3040	**48**, 384
Triethylthiocarbamide	$NHEt.CS.NEt_2$	$C_7H_{16}SN_2$	205 s.d.	26	Grodzki	B., 14, 2755	**42**, 823
Diisopropylthiocarbamide	$CS(NHPr^{\beta})_2$	"	M. C., 3, 169	161	Jahn	B., 15, 1291	
Hexylthiocarbamide	$CH_3.(CH_2)_5.NH.CS.NH_2$	"	....	83	Frentzch	B., 16, 746	**44**, 1075
Resorcinol dithiocyanate	$C_6H_4(S.CN)_2$=1.3	$C_8H_4S_2N_2$	....	54	Gabriel	B., 10, 184	**32**, 325
Benzylthiocarbimide....	$Ph.CH_2.N:CS$	C_8H_7SN	243	Liquid	Hofmann	Z. C. [2], 4, 890; B., 1, 201	vi., 336, 1056
"	"	"	243	Liquid	Henry	Z. C. [2], 6, 207	vii., 180
Benzylic thiocyanate	$Ph.CH_2.S.CN$	"	256 p.d.	36–38	Henry	B., 2, 638; Z. C. [2], 6, 207	vi., 1057
" "	"	"	*230–235* d.	*41*	Barbaglia	B., 5, 689	**25**, 1017
Tolylthiocarbimide	$C_6H_4Me(N:CS)$=1.2	"	236	Liquid	Staats	B., 13, 136	**38**, 387
"	" "	"	236	....	Lachmann	I. D. Göttingen, 1879	
"	" "	"	237	....	Mainzer	B., 15, 1413	
"	" "	"	239	....	Girard	B., 6, 445	**28**, 912
"	" =1.3	"	244 (732·2)	Liquid	Weith and Landolt	B., 8, 719	**28**, 1194
"	" =1.4	"	*237*	*26*	Hofmann	B., 1, 173	vi., 1056
"	" "	"	237–239	26	Mainzer	B., 15, 1413	**42**, 1213
"	" "	"	239	....	Lachmann	I. D. Göttingen, 1879	
"	" "	"	....	26	Staats	B., 13, 135	
Ethenylamidothiophenol	$C_6H_4.N:C_2H_3.S$	"	238	Liquid	Hofmann	B., 13, 21, 1236	**38**, 389
Methenylamidothiocresol	$C_6H_3Me.N:CH.S$	"	255	15	Hesse	B., 14, 492	**40**, 597
Methylphenylthiocarbazine....	Ph.N.NMe.CS	$C_8H_8SN_2$	....	123	Fischer & Besthorn	A., 212, 330	**42**, 1095
Tolylenethiocarbamide	$C_6H_3Me.NH.CS.NH$=?.1.3	"	....	149	Lussy	B., 8, 293	**28**, 770
"	" =1.3.4	"	....	284	Lellmann	A., 221, 1	**46**, 49
Thioisophthalamide	$C_6H_4(CS.NH_2)_2$=1.3	$C_8H_8S_2N_2$	....	199–200 d.	Luckenbach	B., 17, 1430	**46**, 1157
Thioterephthalamide	" =1.4	"	....	263 d.	"	B., 17, 1431	
Thiacetanilide	Ph.NH.CS.Me	C_8H_9SN	B., 11, 1595	*74·5–76*	Leo	B., 10, 2134	**34**, 409
"	"	"	....	75	Hofmann	B., 11, 339	
Phenylthiacetamide	$Ph.CH_2.CS.NH_2$	"	....	*97·5–98*	Bernthsen	A., 184, 293	**31**, 616
"	"	"	B., 8, 821	98	Colombo and Spica	G. I. [1875], 124	**28**, 894
"	"	"	....	98	Bernthsen	B., 11, 504	
Thioformtoluidide	$C_6H_4Me.(NH.CHS)$=1.2	"	....	94-96	Senier	....	**47**, 764
"	" =1.4	"	....	173·5	"	....	**47**, 766
Thiotoluamide	$C_6H_4Me.(CS.NH_2)$=1.4	"	B., 8, 821	168	Colombo and Spica	G. I. [1875], 124	**28**, 894
"	" "	"	B., 8, 441	168	Paterno and Spica	G. I. [1875], 25	**28**, 643
Methylic phenyldithiocarbamate	NHPh.CS.SMe	$C_8H_9S_2N$	....	87–88	Will	B., 15, 342	
?	$Ph.CH_2.S.C(NH_2):NH(?)$	$C_8H_{10}SN_2$	....	71–72	Bernthsen & Klinger	B., 12, 575	**36**, 651
Benzylthiocarbamide	$Ph.CH_2.NH.CS.NH_2$	"	B., 9, 81	101	Paterno and Spica	G. I., 5, 388	**29**, 602
Methylphenylthiocarbamide	$Ph.NMe.CS.NH_2$	"	....	107	Gebhardt	B., 17, 2094	**46**, 1321
"	Ph.NH.CS.NHMe	"	....	113	"	B., 17, 3038	**48**, 383
Tolylthiocarbamide	$C_6H_4Me(NH.CS.NH_2)$=1.3	"	....	103	Weith and Landolt	B., 8, 720	
"	" =1.2	"	....	155	Staats	B., 13, 136	**38**, 387
"	" =1.4	"	....	182	"	B., 13, 136	**38**, 387
"	" "	"	B. S., 26, 126	*188*	Clermont	C. R., 83, 3107	**31**, 70
"	" "	"	....	188	Will & Bielschowski	B., 15, 1311	
Guanylphenylthiocarbamide	$Ph.NH.CS.NH.C(NH_2):NH$	$C_8H_{10}SN_4$	B., 14, 2639	175–176	Bamberger	B., 13, 1581	**40**, 43

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenylenedithiocarbamide	$C_6H_4(NH.CS.NH_2)_2$=1.3	$C_8H_{10}S_2N_4$	....	215	Lellmann	B., 15, 2840 ; A., 221, 1	**44**, 324; **46**, 49
"	" =1.4	"	....	218	"	"	"
Diethylallylthiocarbamide	C_3H_5.NH.CS.NEt_2	$C_8H_{16}SN_2$	....	55	Gebhardt	B., 17, 3038	**48**, 383
Tolylenedithiocarbimide	$C_6H_3Me(N:CS)_2$=?.3.1	$C_9H_6S_2N_2$	B., 7, 1265	Liquid	Lussy	B., 8, 669	**28**, 1036
"	" =?	"	....	60	Gebhardt	B., 17, 3046	
Ethylphenylthiocarbimide	$C_6H_4Et(N:CS)$=1.2	C_9H_9SN	240–245	Liquid	Paucksch	B., 17, 2803	**48**, 256
Propenylamidothiophenol	$C_6H_4.N:C_3H_5.S$	"	252	Liquid	Hofmann	B., 13, 21	**38**, 389
Ethylene phenyldithiocarbamate	PhN.CS.S.CH_2.CH_2	$C_9H_9S_2N$	....	134	Will	B., 15, 345	**42**, 723
Thiocyanuracetic acid	....	$C_9H_9S_6N$	....	199·5	Claesson	B., 14, 733	**40**, 715
Ethylisothioformanilide	Ph.N:CH.SEt	$C_9H_{11}SN$	230–240	Liquid	Wallach & Wüsten	B., 16, 145	
Methylisothiacetanilide	Ph.N:CMe.SMe	"	244–246	Liquid	Wallach & Bleibtreu	B., 12, 1061	**36**, 786
" ...	"	"	244–246	Liquid	Wallach	B., 13, 528	**38**, 557
Thiacetmethylanilide	Ph.NMe.CS.Me	"	290 p.d.	58–59	"	"	"
Thiacettoluide	C_6H_4Me.(NH.CS.Me)=1.2	"	....	67–68	"	B., 13, 529	"
" ...	" =1.4	"	....	*127·5–128*	Bernthsen and Trompetter	B., 11, 1759	**36**, 147
"	" "	"	....	130–132	Wallach	B., 13, 529	**38**, 557
Ethylic phenyldithiocarbamate	Ph.NH.CS_2Et	$C_9H_{11}S_2N$	B., 2, 120	56	Hofmann	Z. C. [2], 5, 268	vi., 1050
"	"	"	B., 15, 570	60	Will	B., 15, 1305	**42**, 1089
Methylic tolyldithiocarbamate	C_6H_4Me.NH.CS_2Me	"	....	84	Will & Bielschowski	B., 15, 1310	**42**, 1090
Tolylthiobiuret	....	$C_9H_{11}S_2N_3$	....	158	Tursini	B., 17, 584	**46**, 1140
Phenylethylthiocarbamide	Ph.NH.CS.NHEt	$C_9H_{12}SN_2$	....	97	Hofmann	J. [1868], 655	vi., 1051
"	"	"	....	99–99·5	Weith	B., 8, 1524	**29**, 574
Phenylethylthiocarbamide	NH_2.CS.NEtPh	"	....	113	Gebhardt	B., 17, 2094	**46**, 1321
Phenyldimethylthiocarbamide	NHMe.CS.NMePh	"	....	114	"	B., 17, 3037	**48**, 383
Tolylenedithiocarbamide	$C_6H_3Me(NH.CS.NH_2)_2$ =?.1.3	$C_9H_{12}S_2N_4$	....	216	"	B., 17, 3046	
"	" "	"	....	217	Stüdemann	I. D., Berlin, 1884	
"	" "	"	B., 8, 670	218	Lussy	B., 7, 1266	**28**, 274
"	" =?.1.3	"	....	280	Lellmann	A., 221, 1	**46**, 50
"	" =?.1.2	"	....	290	"	"	"
"	" =5.1.4	"	....	d.w.m. high	"	"	"
Ethylphenylthiosemicarbazide	Ph.NH.CS.N_2H_2Et	$C_9H_{13}SN_3$	....	109–110	Fischer	A., 199, 297	
Octylic thiocyanate	C_8H_{17}.S.CN (sec.)	$C_9H_{17}SN$	142	Liquid	Jahn	B., 8, 805	**28**, 1188
Octylic thiocarbimide	C_8H_{17}.N:CS (sec.)	"	232–232·5	Liquid	"	M. C., 3, 173	
" "	" "	"	232–235·5	Liquid	"	B., 15, 1293	
" "	" "	"	*234*	Liquid	"	B., 8, 804	**28**, 1188
Carboisobutyraldine	....	$C_9H_{18}S_2N_2$	....	91	Pfeiffer	B., 5, 701	vii., 228; **25**, 1001
Tetrethylthiocarbamide	$CS(NEt_2)_2$	$C_9H_{20}SN_2$	216 u.c.	Liquid	Grodski	B., 14, 2758	**42**, 823
Dibutylthiocarbamide	$CS(NH.CMe_3)_2$	"	J.R., 11, 180	162	Rudneff	B. S. [2], 33, 300	**38**, 548
"	"	"	....	163	"	B., 12, 1023	**36**, 713
Octylthiocarbamide (sec.)	C_8H_{17}.NH.CS.NH_2	"	...	114	Jahn	M. C., 3, 173	
"	"	"	....	112·5	Rudneff	J. R., 11, 180	
"	"	"	....	112·5	Jahn	B., 8, 804	**28**, 1188
Styrolene thiocyanate	Ph.CH(S.CN).CH_2(S.CN)	$C_{10}H_8S_2N_2$	J. [1880], 404	101–102	Nagel	A., 216, 324	
Propylphenylthiocarbimide....	$C_6H_4Pr^{\alpha}$.(N:CS)=1.4	$C_{10}H_{11}SN$	263	Liquid	Francksen	B., 17, 1224	**46**, 1007
Mesitylthiocarbimide	$C_6H_2Me_3$.(N:CS)=1.3.5.6	"	....	64	Eisenberg	B., 15, 1012	**42**, 956
Tolylethylenedithiocarbamate	C_6H_4Me.N.CS.S.C_2H_4=1.4	$C_{10}H_{11}S_2N$	....	126	Will and Bielschowski	B., 15, 1315	
" "	" =1.2	"	....	129	"	B., 15, 1317	**42**, 1091
Allylphenylthiocarbamide	Ph.NH.CS.NH.C_3H_5	$C_{10}H_{12}SN_2$	A., 84, 348	95	Zinin	J. p., 57, 173	v., 783
"	"	"	....	*98*	Weith	B., 8, 1529	
Ethylphenyldithioxamide ...	NHEt.CS.CS.NHPh	$C_{10}H_{12}S_2N_2$	....	36–37	Wallach	B., 14, 740	**40**, 718
Xylenic dithiamide	$C_6H_4(CH_2.CS.NH_2)_2$=1.4	"	....	205–206	Klippert	B., 9, 1768	**31**, 468

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylisothiacetanilide	$Ph.N:CMe.SEt$	$C_{10}H_{13}SN$	250 u.c.	....	Wallach	B., 11, 1592	**36**, 312
"	"	"	*255–257*	....	Wallach and Bleibtreu	B., 12, 1061	**36**, 786
Ethylic tolyldithiocarbamate	$C_6H_4Me(NH.CS_2Et)=1.2$	$C_{10}H_{13}S_2N$	....	72	Will and Bielschowski	B., 15, 1317	**42**, 1091
" "	" $=1.4$	"	....	74	"	B., 15, 1312	"
Ethylphenylthiobiuret	....	$C_{10}H_{13}S_2N_3$	....	109	Tursini	B., 17, 585	**46**, 1141
Tolylethylthiocarbamide	$C_6H_4Me(NH.CS.NHEt)=1.2$	$C_{10}H_{14}SN_2$	....	83–84	Staats	B., 13, 136	**38**, 387
"	" $=1.4$	"	....	*93*	"	"	"
"	" "	"	....	95–96	Weith	B., 8, 1530	**29**, 575
Propylphenylthiocarbamide	$C_6H_4Pr^{\alpha}.(NH.CS.NH_2)=1.4$	"	....	159	Francksen	B., 17, 1223	**46**, 1007
Mesitylthiocarbamide	$Me_3.(NH.CS.NH_2)=1.3.5.6$	"	....	222	Eisenberg	B., 15, 1013	**42**, 956
Diallylethylenedithiocarbamide	$C_2H_4(NH.CS.NH.C_3H_5)_2$	$C_{10}H_{18}S_2N_4$	....	Liquid	Lellmann and Würthner	A., 228, 199	**48**, 978
?	$[.C(SEt):NEt]_2$ (?)	$C_{10}H_{20}S_2N_2$(?)	a. 250	Liquid	Wallach and Pirath	B., 12, 1064	**36**, 784
Diethylthiuramide disulphide	$S_2(CS.NEt_2)_2$	$C_{10}H_{20}S_4N_2$	....	70	Grodzki	B., 14, 2756	**42**, 823
β-Naphthylic thiocyanate	$C_{10}H_7.S.CN$	$C_{11}H_7SN$	....	35	Billeter	B., 8, 463	
α-Naphthylthiocarbimide	$C_{10}H_7.N:CS$	"	J.[1858],350	58	Mainzer	B., 15, 1414	
β- "	"	"	....	62–63	Cosiner	B., 14, 61	**40**, 606
β- "	"	"	....	62	Mainzer	B., 15, 1413	
Naphthoic thiamide	$C_{10}H_7.CS.NH_2$	$C_{11}H_9SN$	....	126	Hofmann	B., 1, 40	
β-Naphthylthiocarbamide	$C_{10}H_7.NH.CS.NH_2$	$C_{11}H_{10}SN_2$	....	180	Cosiner	B., 14, 61	**40**, 606
β- "	"	"	....	180	Gebhardt	B., 17, 3045	**48**, 387
α- "	"	"	B. S., 26, 126	198	Clermont & Wehrlin	C. R., 73, 347	**31**, 70
Allylisothioacetanilide ...	$Ph.N:CMe.S.C_3H_5$	$C_{11}H_{13}SN$	a. 260 d.	....	Wallach and Bleibtreu	B., 12, 1061	**36**, 786
Isobutylphenylthiocarbimide	$C_6H_4Bu^{\beta}.(N:CS)=1.4$	"	266–276	41	Mainzer	B., 16, 2024, et seq.	**44**, 1107
"	" "	"	277	42	Pahl	B., 17, 1236	**46**, 1010
Cumylthiocarbimide....	$C_6H_3MePr.(N:CS)=?$	"	245–270 d.	B., 8, 1152	Raab	B., 10, 53	
Tetramethylbenzene thiocarbimide	$C_6HMe_4.(N:CS)=?$	"	....	65	Hofmann	B., 17, 1916	**46**, 1320
Allyltolylthiocarbamide	$Me.(NH.CS.NH.C_3H_5)=1.4$	$C_{11}H_{14}SN_2$	....	*97*	Maly	Z. C. [2], 5, 258	vi., 1089
"	" "	"	....	99	Weith	B., 8, 1528	
"	" "	"	J.[1869],636	100	Jaillard	Z. C. [1865], 441	v., 874
"	" "	"	....	112	"	....	vi., 1089
Propylisothiacetanilide	$Ph.N:CMe.S.Pr^{\alpha}$	$C_{11}H_{15}SN$	270–273	....	Wallach and Bleibtreu	B., 12, 1061	**36**, 786
Ethylisothiacettoluide ...	$Me.(N:CMe.SEt)=1.2$	"	261–262	Liquid	Wallach & Wüsten	B., 16, 147	
"	" $=1.4$	"	271–273	Liquid	"	"	
Ethylic ethylphenyldithiocarbamate	$NEtPh.CS_2Et$	$C_{11}H_{15}S_2N$	305–315 p.d.	68·4–68·5 u.c.	Bernthsen & Friese	B., 15, 568	**42**, 966
Ethyl-p-tolylthiobiuret	....	$C_{11}H_{15}S_2N_3$	....	134	Tursini	B., 17, 585	**46**, 1141
Dipiperylthiosemicarbazide....	$C_5H_{10}:N.CS.NH.N:C_5H_{10}$	$C_{11}H_{21}SN_3$	....	85·5	Knorr	A., 221, 297	**46**, 468
Piperylthiocarbazide	$CS(NH.N:C_5H_{10})_2$	$C_{11}H_{22}SN_4$	....	181	"	"	"
Carbovaleraldine	....	$C_{11}H_{22}S_2N_2$	....	115·5–117	Schrœder	B., 4 469; A., 168, 237	**24**, 707; vii., 1196
Thiodiphenylamine	$C_6H_4.NH.C_6H_4.S$	$C_{12}H_9SN$	371 u.c.	180 u.c.	Bernthsen	B., 16, 2898	**46**, 596
Thiacet-α-naphthalide ...	$C_{10}H_7.NH(CS.CH_3)$	$C_{12}H_{11}SN$	....	96	Bernthsen & Trompetter	B., 11, 1760	**36**, 147
Amidodiphenyldisulphhydrate	$HS.C_6H_4.C_6H_4(NH_2).SH$ $=1.4;\ 1.?.4$	$C_{12}H_{11}S_2N$	....	153	Gabriel and Dambergis	B., 13, 1412	**38**, 891
Acetothienonephenylhydrazine	$C_4H_3S.CMe:N.NHPh$	$C_{12}H_{12}SN_2$	....	96	Peter	B., 17, 2645	**48**, 142
Thioanilide	$S(NHPh)_2$	"	180–185 d.	Liquid	Smit	B., 8, 1446	**29**, 602
Diamidophenylsulphide thioaniline	$S(C_6H_4.NH_2)_2$	"	B., 7, 384	105	Merz and Weith	B., 4, 387	**24**, 567; vii., 1154
" "	"	"	....	105–106	Schmidt	B., 11, 1169	
Diamidophenyldisulphide	$S_2(C_6H_4.NH_2)_2=(1.4)_2$	$C_{12}H_{12}S_2N_2$	....	78–79	"	B., 11, 1172	**34**, 975
"	" $=(1.2)_2$	"	....	93	Hofmann	B., 12, 2364	**38**, 386
Isobutyltolylthiocarbimide	$Me.Bu^{\beta}.(N:CS)=1.3.2$	$C_{12}H_{15}SN$	267	44	Effront	B., 17, 2350	**48**, 154

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Isobutyltolylthiocarbimide	$Me.Bu_{\beta}.(N:CS)=1.5.2$	$C_{12}H_{15}SN$	275–280 p.d.	46	Effront	B., 17, 2336	**48**, 153
Pentamethylbenzenethiocarbimide	$C_6Me_5.(N:CS)$	,,	....	86	Hofmann	B., 18, 1827	**48**, 1129
Allylphenylethylthiocarbamide	$C_3H_5.NH.CS.NEtPh$	$C_{12}H_{16}SN_2$	....	26	Gebhardt	B., 17, 3037	**48**, 383
Piperidylphenylthiocarbamide	$C_5H_{10}:N.CS.NHPh$	,,	....	98	,,	B., 17, 3039	**48**, 384
Isobutylisothiacetanilide	$C_6H_5.N:CMe.SBu^{\beta}$	$C_{12}H_{17}SN$	d.	....	Wallach and Bleibtreu	B., 12, 1061	**36**, 786
Isoamylic phenyldithiocarbamate	$NHPh.CS_2(C_5H_{11})$	$C_{12}H_{17}S_2N$	....	71	Will	B., 15, 1306	**42**, 1089
Diethyltolylthiocarbamide	$C_6H_4Me.NH.CS.NEt_2=1.2$	$C_{12}H_{18}SN_2$	....	102	Gebhardt	B., 17, 3038	**48**, 383
Pentamethylbenzenethiocarbamide	$C_6Me_5.NH.CS.NH_2$	,,	....	224	Hofmann	B., 18, 1827	**48**, 1129
Diphenylthiocarbimide	$Ph.C_6H_4.(N:CS)=1.4$	$C_{13}H_9SN$	....	58	Zimmermann	B., 13, 1964	**40**, 176
Diphenylic thiocyanate	$Ph.C_6H_4.S.CN$	,,	Impure	84	Gabriel & Deutsch	B., 13, 389	**38**, 477
Benzenylamidothiophenol	$C_6H_4:N.CPh.S=1.2$	,,	....	114	Tiemann and Piest	B., 15, 2033	
,,	,, ,,	,,	B., 13, 17	*115*	Hofmann	B., 12, 2360	**38**, 386
,,	,, ,,	,,	....	115	,,	B., 13, 1223, 1237	
Anilidophenylthiocarbimide	$NHPh.C_6H_4.N:CS$	$C_{13}H_{10}SN_2$	....	157	,,	B., 12, 1130	**36**, 806
,,	,,	,,	....	*159*	,,	B., 13, 12	**38**, 388
Thiobenzanilide	$Ph.CS.NHPh$	$C_{13}H_{11}SN$	....	95–97	Leo	B., 10, 2134	**34**, 409
,, ...	,,	,,	....	b. 100	,,	B., 9, 1216	
,, ...	,,	,,	....	*95·5–96·5*	Bernthsen	B., 11, 503	
,, ...	,,	,,	....	98	,,	A., 192, 1	**34**, 789
Methylthiodiphenylamine	$C_6H_4.NMe.C_6H_4.S$	,,	....	99·3	,,	B., 16, 2899	**46**, 596
Diphenylthiocarbamide	$CS(NHPh)_2$	$C_{13}H_{12}SN_2$	A., 207, 139	140	Hofmann	A., 57, 266	i., 756
,, ...	,,	,,	B., 12, 773	140	Guareschi	G. I., 8, 246	**34**, 860
,, ...	,,	,,	A., 68, 39	144	Aschan	B., 17, 428	
,, ...	,,	,,	A., 70, 143	*144*	Weith	B., 6, 210, 967	
,, (Z.C. 1869, 584)	,,	,,	B., 7, 1304	145	,,	B., 8, 1527	**29**, 575
,, ...	,,	,,	A., 166, 143	146·5	Guareschi	G. I., 8, 246	**34**, 860
,, ...	,,	,,	B., 12, 1613	153	Bamberger	B., 14, 2638	
Diphenylthiosemicarbazide	$NHPh.CS.N_2H_2Ph$	$C_{13}H_{13}SN_3$	....	177	Fischer	A., 190, 122	**34**, 308
Amidodiphenylthiocarbamide	$NHPh.CS.NH.C_6H_4.NH_2$ =1.2	,,	....	d. 141	Lellmann and Würthner	A., 228, 199	**48**, 977
,,	,, =1.3	,,	....	148–153 p.d.	,,	,,	,,
,,	,, =1.4	,,	....	d. 163	,,	,,	,,
Diphenylthiocarbazide ...	....	$C_{13}H_{14}SN_4$	Green 130	150	Fischer	A., 190, 119, 212, 323	
Phenylhydrazinephenylthiocarbazate	$Ph.NH.NH.CS_2N_2H_4Ph$	$C_{13}H_{16}S_2N_4$	....	96–97 p.d.	,,	A., 190, 115	**34**, 307
Piperidyltolylthiocarbamide	$Me.(NH.CS.N:C_5H_{10})=1.2$	$C_{13}H_{18}SN_2$	....	98	Gebhardt	B., 17, 3040	**48**, 384
,,	,, =1.4	,,	....	132	,,	,,	,,
Diethyltolylenedithiocarbamide	$Me.(NH.CS.NHEt)_2=1.3.4$	$C_{13}H_{20}S_2N_4$	....	149–153	Lellmann	A., 221, 1	**46**, 50
,,	,, =?1.3	,,	....	225	Lussy	B., 8, 668	**28**, 1036
α-Methylpiperidine-α-methylpiperylthiocarbamate	$C_6H_{12}:N.CS.SH.NH.C_5H_9Me$	$C_{13}H_{26}S_2N_2$	sb. 100	118	Ladenburg & Roth	B., 18, 48	**48**, 557
Dihexylthiocarbamide	$CS[NH.(CH_2)_6.CH_3]_2$	$C_{13}H_{28}SN_2$	....	40	Frentzel	B., 16, 746	**44**, 1075
Oxalamidothiophenol	$(.C:N.C_6H_4.S)_2$	$C_{14}H_8S_2N_2$	....	abt. 300	Hofmann	B., 13, 1227	**38**, 885
?	....	$C_{14}H_{10}SN_2$	....	90	,,	B., 2, 646	vi., 258
?	....	$C_{14}H_{10}S_3N_2$	....	152	Proskauer and Sell	B., 9, 1265	**31**, 68
?	$Ph.CH_2.C:N.C_6H_4.S$	$C_{14}H_{11}SN$	....	Liquid	Hofmann	B., 13, 1235	**38**, 887
?	$Ph.C:N.C_6H_3Me.S$	,,	....	125	Hesse	B., 14, 493	**40**, 597
Ht. on thioformanilide	....	$C_{14}H_{12}SN_2$	....	140	Nicoll	B., 15, 211	**42**, 958

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
?	$NH_2.C_6H_4.C:N_2:C(C_6H_4.NH_2).S$	$C_{14}H_{12}SN_4$	....	128–129	Wanstrat	B., 6, 633	26, 909
Thioxanilide	$NHPh.CS.CS.NHPh$	$C_{14}H_{12}S_2N_2$	....	133	Wallach	B., 13, 527	
Thiacetdiphenylamine	$CH_3.CS.NPh_2$	$C_{14}H_{13}SN$	....	110·5–111	Bernthsen	A., 192, 39	34, 790
Imidothiobenzobenzylether....	....	,,	....	181	,,	A., 197, 351	
Ethylthiodiphenylamine	$C_6H_4.NEt.C_6H_4.S$	,,	....	102	,,	B., 16, 2900	46, 596
Thiobenztoluide	$Ph.CS.NH.C_6H_4Me$	,,	....	128–129	Bernthsen & Trompetter	B., 11, 1759	
,, ...	,,	,,	....	128·5–129·5	Leo	B., 10, 2134	34, 409
Methyldiphenylthiocarbamide	$NHPh.CS.NMePh$	$C_{14}H_{14}SN_2$	204–206	87	Gebhardt	B., 17, 2089	46, 1321
Phenyltolylthiocarbamide	$NHPh.CS.NH.C_6H_4Me=1.2$	,,	B., 15, 1419	139	Staats	B., 13, 137	38, 387
,, ...	,, $=1.4$	,,	B., 15, 1420	136–137	,,	,,	,,
,, ...	,, ,,	,,	....	*141*	Gebhardt	B., 17, 3035	
Thiobenzdiamidotoluene ...	$Me.NH_2.(NH.CS.Ph)=?.1.3$	,,	....	197	Bernthsen & Trompetter	B., 11, 1760	36, 147
α-Naphthylallylthiocarbamide	$C_{10}H_7.NH.CS.NH.C_3H_5$	,,	A., 84, 347	130	Zinin	J. p., 57, 173	v., 783
Base fr. thiocarbanilide	....	,,	....	110	Will	B., 14, 1489	40, 906
Methyldiphenylthiosemicarbazide	$NMePh.NH.CS.NHPh$	$C_{14}H_{15}SN_3$	....	154	Fischer	A., 190, 166	34, 311
Diamidotolyl sulphide	$S(C_6H_3Me.NH_2)_2=(1.4.?)_2$	$C_{14}H_{16}SN_2$	....	103–103·5	Merz and Weith	B. 4, 393	vii., 1156
Diallylphenylenedithiocarbamide	$C_6H_4(NH.CS.NH.C_3H_5)_2=1.2$	$C_{14}H_{18}S_2N_4$	....	158–160 d.	Lellmann & Würthner	A., 228, 199	48, 977
,,	,, $=1.3$	,,	....	105	Lellmann	A., 221, 1	46, 50
,,	,, $=1.4$	,,	....	200	,,	,,	,,
Cinnamylamidothiophenol	$Ph.CH:CH.C:N.C_6H_4.S$	$C_{15}H_{11}SN$	....	111	Hofmann	B., 13, 1235	38, 887
Hydrothiodiphenylhydantoïn	$Ph.N:C.NPh.(CH_2)_2.S$	$C_{15}H_{14}SN_2$	....	136	Will	B., 14, 1490	40, 906
,,	,,	,,	a. 300 s. d.	....	,,	B., 15, 343	42, 723
Dibenzylideneammonium dithiocarbamate	....	$C_{15}H_{14}S_2N_2$	A., 168, 238	100 d.	Quadrat	A., 71, 13	
Ethylthiocarbanilide....	$EtS.C(NHPh):NPh$	$C_{15}H_{16}SN_2$	....	*73*	Rathke	B., 14, 1777	42, 167
,, ...	,,	,,	B., 15, 338	79	Will	B., 14, 1490	40, 906
,, ...	,,	,,	B., 15, 1308	157·5 (?)	Bernthsen & Friese	B., 15, 567	
Ethyldiphenylthiocarbamide	$NHPh.CS.NEtPh$	,,	....	89	Gebhardt	B., 17, 2091	46, 1321
Dibenzylthiocarbamide ...	$CS(NH.CH_2Ph)_2$	,,	....	114	Strakosch	B., 5, 696	25, 1027; vii., 182, 428
,, ...	,,	,,	....	114	Paterno and Spica	G. I., 5, 388	29, 602
,, ...	$NH_2.CS.N(CH_2Ph)_2$	,,	B., 9, 82	156–157	,,	,,	,,
Phenylethylphenylthiocarbamide	$NHPh.CS.NH.C_6H_4Et=1.4$	,,	....	103–104	Mainzer	B., 16, 2021	44, 1106
,,	,, $=1.2$	,,	....	148	Paucksch	B., 17, 768	46, 1143
Phenylmethyltolylthiocarbamide	$NMePh.CS.NH.C_6H_4Me=1.2$	,,	....	121	Gebhardt	B., 17, 3035	48, 383
,,	,, $=1.4$	,,	....	124	,,	B., 17, 2091	46, 1321
Ditolylthiocarbamide	$CS(NH.C_6H_4Me)_2=(1.3)_2$	,,	....	122	Weith and Landolt	B., 8, 718	28, 1194
,, ...	,, $=(1.2)_2$	,,	216–218	156	Ador and Reilliet	B., 12, 2301	
,, ...	,, ,,	,,	....	158 u.c.	Bergerd	B., 12, 1854	38, 244
,, ...	,, ,,	,,	....	*159*	Gebhardt	B., 17, 3034	vii., 1116
,, ...	,, ,,	,,	....	164	Sell	16, 190	v., 872
,, ...	,, ,,	,,	....	165 u.c.	Girard	B., 4, 985	25, 720
,, ...	,, ,,	,,	....	243 sic.	Will & Bielschowski	B., 15, 1317	
,, ...	,, $=(1.4)_2$	,,	....	176	,,	B., 15, 1311	
,, ...	,, ,,	,,	A., 126, 160	176	Hofmann	B., 7, 1739	28, 466
,, ...	,, ,,	,,	J. [1869], 637	176	Weith	B., 9, 815	
Diallyltolylenedithiocarbamide	$C_6H_3Me(NH.CS.NH.C_3H_5)_2=1.3.5$	$C_{15}H_{20}S_2N_4$	....	150	Lellmann	A., 221, 1	46, 50
,, ...	,, ,,	,,	....	150·5	,,	A., 228, 199	48, 977
,, ...	,, $=1.2.3$	,,	....	152	,,	A., 228, 243	,,

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diallyltolylenedithiocarbamide	$C_6H_3Me(NH.CS.NH.C_3H_5)_2$ =1.2.5	$C_{15}H_{20}S_2N_4$	....	175·5 d.	Lellmann	A., 228, 199	**48**, 977
Conylphenylthiocarbamide	C_8H_{16} : N.CS.NHPh	$C_{15}H_{22}SN_2$	....	88	Gebhardt	B., 17, 3041	**48**, 384
Octylphenylthiocarbamide	C_8H_{17}.NH.CS.NHPh	$C_{15}H_{24}SN_2$	....	52–53	Jahn	B., 8, 805	**28**, 1188
Valeraldine	....	$C_{15}H_{31}S_2N$	....	41	Bensenhirtz	A., 90, 109	v., 974
"	....	"	....	41	Schrœder	B., 4, 469	**24**, 706; vii., 1195
Succinoamidothiophenol	$(.CH_2.C:N.C_6H_4.S)_2$	$C_{16}H_{12}S_2N_2$	....	137	Hofmann	B., 13, 1231	**38**, 886
?	$CH_2Ph.C:N_2:C(CH_2Ph).S$	$C_{16}H_{14}SN_2$	....	41–42	Bernthsen	A., 184, 310	**31**, 618
Styrolylic thiocyanate + C_6H_6	See $C_{10}H_8S_2N_2$	$C_{16}H_{14}S_2N_2$	....	61–62	Nagel	J. [1880], 404	
Phenylimidotolylethylenethiocarbamate	Ph.N : C.N(C_6H_4Me).C_2H_4.S =1.4	$C_{16}H_{16}SN_2$	....	128	Will & Bielschowski	B., 15, 1315	
?	....	"	....	160	Senier	....	**47**, 769
Phenylethyltolylthiocarbamide	C_6H_4Me.NH.CS.NEtPh =1.4	$C_{16}H_{18}SN_2$	....	90	Gebhardt	B., 17, 2091	**46**, 1321
Tolylimidotolylmethylthiocarbamate	C_6H_4Me.N : C(SMe).NH. $C_6H_4Me=(1.2)_2$	"	....	60	Will & Bielschowski	B., 15, 1316	**42**, 1090
"	" $=(1.4)_2$	"	....	128	"	B., 15, 1309	"
Mesitylphenylthiocarbamide	$C_6H_2Me_3$.NH.CS.NHPh =1.3.5.6	"	....	193	Eisenberg	B., 15, 1014	
Diphenylethylenedithiocarbamide	$C_2H_4(NH.CS.NHPh)_2$	$C_{16}H_{18}S_2N_4$	....	193 d.	Lellmann & Würthner	A., 228, 199	**48**, 978
Tetramethylthioaniline	$S(C_6H_4.NMe_2)_2$	$C_{16}H_{20}SN_2$	....	125	Tursini	B., 17, 587	**46**, 1141
Thiobenzoyl-α-naphthalide	$C_{10}H_7$.NH.CS.Ph	$C_{17}H_{13}SN$	....	147·5	Bernthsen & Trompetter	B., 11, 1760	**38**, 147
Phenyl-α-naphthylthiocarbamide	$C_{10}H_7$.NH.CS.NHPh	$C_{17}H_{14}SN_2$	J. [1858], 350	158–159	Mainzer	B., 15, 1414	**42**, 1212
" -β- "	"	"	....	155–157	"	B., 15, 1417	**42**, 1213
Tolylimidotolylethylenethiocarbamate	C_6H_4Me.N : C.N(C_6H_4Me). C_2H_4.S=1.2; 1.4	$C_{17}H_{18}SN_2$	....	82	Will & Bielschowski	B., 15, 1315	
"	" $=(1.2)_2$	"	....	91	"	B., 15, 1317	**42**, 1091
"	" $=(1.4)_2$	"	....	112	"	B., 15, 1314	"
Phenylisobutylphenylthiocarbamide	NHPh.CS.NH.$C_6H_4Bu^β$=?	$C_{17}H_{20}SN_2$	....	152	Mainzer	B., 16, 2023	**44**, 1107
Tolylimidotolylethylthiocarbamate	C_6H_4Me.N : C(SEt).NH. $C_6H_4Me=(1.2)_2$	"	....	51	Will & Bielschowski	B., 15, 1316	**42**, 1091
"	" $=(1.4)_2$	"	....	87	"	B., 15, 1312	"
Diethylphenylthiocarbamide	$CS(NH.C_6H_4Et)_2=(1.2)_2$	"	....	141–142	Paucksch	B., 17, 768	**46**, 1143
"	" $=(1.4)_2$	"	....	*144–145*	"	"	"
"	" "	"	....	144	Mainzer	B., 16, 2019	**44**, 1106
Dixylylthiocarbamide	$CS(NH.C_6H_3Me_2)_2=(4.3.1)_2$	"	....	152–153	Hofmann	B., 9, 1296	**31**, 92
Mesityltolylthiocarbamide	$C_6H_2Me_3$.NH.CS.NH. C_6H_4Me=1.3.5.6; 1.2	"	....	167	Eisenberg	B., 15, 1014	
Diphenyltrimethylenedithiocarbamide	$C_3H_6(NH.CS.NHPh)_2$	$C_{17}H_{20}S_2N_4$	....	115	Lellmann and Würthner	A., 228, 199	**48**, 978
Bidimethamidophenylthiocarbamide	$CS(NH.C_6H_4.NMe_2)_2=(1.4)_2$	$C_{17}H_{22}SN_4$	....	186·5	Baur	B., 12, 534	**36**, 628
Phenylmethyl-β-naphthylthiocarbamide	$C_{10}H_7$.NH.CS.NMePh	$C_{18}H_{16}SN_2$	....	127	Gebhardt	B., 17, 2091	**46**, 1321
Tolylnaphthylthiocarbamide	$C_{10}H_7$.NH.CS.NH.C_6H_4Me =α; 1.2	"	....	165–168	Mainzer	B., 15, 1416	**42**, 1212
"	" =α; 1.4	"	....	168	"	"	**42**, 1213
"	" =β; 1.2	"	....	193–194	"	B., 15, 1418	"
"	" =β; 1.4	"	....	163–164	"	B., 15, 1419	"
Isobutylphenyltolylthiocarbamide	C_6H_4Me.NH.CS.NH. $C_6H_4Bu^β$=1.4; 1.?	$C_{18}H_{22}SN_2$	....	137	"	B., 16, 2024	**44**, 1107
Diphenylthiobenzamide	Ph.CS.NPh_2	$C_{19}H_{15}SN$	....	150–151	Bernthsen	A., 192, 37	**34**, 790
Triphenylthiocarbamide ...	NHPh.CS.NPh_2	$C_{19}H_{16}SN_2$	....	152	Gebhardt	B., 17, 2092	**46**, 1321

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Azobenzenephenylthiocarbamide	$Ph.N_2.C_6H_4.NH.CS.NHPh$	$C_{19}H_{16}SN_4$	....	179	Berju	B., 17, 1405 ; C. C. [1884], 871	**46**, 1149 ; **48**, 660
Ethylphenyl-β-naphthylthiocarbamide	$C_{10}H_7.NH.CS.NH.C_6H_4Et$	$C_{19}H_{18}SN_2$	....	158–159	Mainzer	B., 16, 2022	**44**, 1107
Dipropylphenylthiocarbamide	$CS(NH.C_6H_4Pr^{\alpha})_2=(1.4)_2$	$C_{19}H_{24}SN_2$	....	138	Francksen	B., 17, 1222	**46**, 1007
Isobutylphenylethylphenylthiocarbamide	$C_6H_4Et.NH.CS.NH.C_6H_4Bu^{\beta}$	„	....	140	Mainzer	B., 16, 2025	**44**, 1107
Dicumylthiocarbamide	$CS(NH.C_6H_2Me_3)_2=?$	„	....	146	Engel	B., 18, 2233	**48**, 1216
Dimesitylthiocarbamide	„ $=(6.5.3.1)_2$	„	....	196	Eisenberg	B., 15, 1013	**42**, 956
Phthalylamidothiophenol	$C_6H_4(C:N.C_6H_4.S)_2=1.2$; ?	$C_{20}H_{12}S_2N_2$	....	112	Hofmann	B., 13, 1233	**38**, 886
Triphenylmethylic thiocyanate	$CPh_3.S.CN$	$C_{20}H_{15}SN$	....	137	Elbs	B., 17, 700	**46**, 1030
Benzenylisodiphenylamidine thiocyanate	....	$C_{20}H_{17}SN_3$	....	151	Bernthsen	A., 192, 1	**34**, 790
„ „	....	„	....	203	„	„	**34**, 788
Triphenylthiodicyandiamine	$NHPh.CS.NPh.C(NHPh):NH$	$C_{20}H_{18}SN_4$	....	150	Rathke	B., 12, 774	**36**, 805
Thiotetrapyridine	....	„	B. S., 34, 452	155	Cahours and Etard	C. R., 88, 999	**36**, 732
Diphenylphenylenedithiocarbamide	$C_6H_4(NH.CS.NHPh)_2=1.2$	$C_{20}H_{18}S_2N_4$	d. 170	Cryst.	Lellmann and Würthner	A., 228, 199	**48**, 977
„	„ $=1.3$	„	d. 160–185	161	„	„	„
Thiocuminamide sulphide	$C_6H_4Pr.C:N_2:C(C_6H_4Pr).S$	$C_{20}H_{22}SN_2$	....	45	Wanstrat	B., 6, 333	**26**, 909
Di-β-naphthiocarbamide	$CS(NH.C_{10}H_7)_2$	$C_{21}H_{16}SN_2$	....	193	Gebhardt	B., 17, 3045	
„ -β- „	„	„	....	193	Cosiner	B., 14, 61	**40**, 606
„ -α- „	„	„	A., 64, 371	197–198 u. c.	Berger	B., 12, 1860	**38**, 245
Thiobenzaldine	....	$C_{21}H_{19}S_2N$	....	125	Laurent	A., 38, 323	**v.**, 481
Diphenyltolylene dithiocarbamide	$C_6H_3Me(NH.CS.NHPh)_2=?$	$C_{21}H_{20}S_2N_4$	....	167 ; 173	Gebhardt	B., 17, 3046	
„ „	„	„	....	172	Studemann	L. D. Berlin, 1884	
„ „	„ $=?.1.4$	„	....	181 d.	Lellmann and Würthner	A., 228, 199	**48**, 977
„ „	„ $=?.1.3$	„	B., 7, 1265	238	Lussy	B., 8, 670	**28**, 1036
Isobutylphenyl-β-napthylthiocarbamide	$C_{10}H_7.NH.CS.NH.C_6H_4Bu^{\beta}$	$C_{21}H_{22}SN_2$	....	*152* ; 160	Mainzer	B., 16, 2026	**44**, 1107
Diisobutylphenylthiocarbamide	$CS(NH.C_6H_4Bu^{\beta})_2=(1.4)_2$	$C_{21}H_{28}SN_2$	....	192·5	Pahl	B., 17, 1235	**46**, 1010
Dicumylthiocarbamide	$CS(NH.C_6H_3MePr)_2=?$	„	....	128	Raab	B., 10, 53	
„	„ $=(?.3.1)_2$	„	....	160	Kelbe and Warth	A., 221, 157	**46**, 47
Ditetramethylbenzenethiocarbamide	$CS(NH.C_6HMe_4)_2$	„	....	278	Hofmann	B., 17, 1916	**46**, 1320
Dibutyltolylthiocarbamide	$CS(NH.C_6H_3MeBu^{\beta})_2=2.1.3$	$C_{23}H_{32}SN_2$	....	175	Effront	B., 17, 2344	**48**, 154
„	„ $=2.1.5$	„	....	184	„	B., 17, 2335	**48**, 153
Pentamethylbenzenethiocarbamide	$CS(NH.C_6Me_5)_2$	„	....	252	Hofmann	B., 18, 1828	**48**, 1130
Thiosulphaniline	$S[C_6H_3(NH_2).S.C_6H_4.NH_2]_2$	$C_{24}H_{22}S_3N_4$	....	abt. 100	Merz and Weith	B., 4, 392	
Thio-α-toluamide sulphide	....	$C_{24}H_{27}S_2N$	....	107·5–108	Bernthsen	A., 184, 302	**31**, 617
Tetraphenylthiocarbamide	$CS(NPh_2)_2$	$C_{25}H_{20}SN_2$	....	194·5–195·5	Bernthsen & Friese	B., 15, 1530, 1652	**42**, 1089
Bidiphenylthiocarbamide	$CS(NH.C_6H_4.Ph)_2$	„	....	228	Zimmermann	B., 13, 1964	**40**, 176
Thiocarbamidoazobenzene	$CS(NH.C_6H_4.N_2.Ph)_2$	$C_{25}H_{20}SN_6$	....	199	Berju	B., 17, 1405 ; C. C. [1884], 871	**46**, 1149 ; **48**, 660
Ht. on thiobenzanilide	....	$C_{27}H_{20}S_2N_2$	....	111·5–112·5	Leo	B., 10, 2135	**34**, 409
Triethylphosphine sulphide	Et_3PS	$C_6H_{15}SP$	....	94	Cahours & Hofmann	J., 10, 376	**iv.**, 613
Triethylic trithiophosphite	$P(SEt)_3$	$C_6H_{15}S_3P$	240–280	Liquid	Michaelis	C. N., 25, 57 ; B., 5,7 ; B. S., 25, 185	
„ tetrathiophosphate	$PS(SEt)_3$	$C_6H_{15}S_4P$	....	Liquid −18	Carius	A., 119, 289	**vii.**, 1120
Triethylphosphine $+CS_2$	Et_3P,CS_2	$C_7H_{15}S_2P$	v. 100	95	Hofmann	As., 1, 32	**iv.**, 614
Dimethylphenylphosphine $+CS_2$	Me_2PhP,CS_2	$C_9H_{11}S_2P$	....	97 d. ; *101* s.t.	Czimatis	B., 15, 2017	**44**, 58
Dimethyltolylphosphine $+CS_2$	$Me_2(C_6H_4Me)P,CS_2=1.4$	$C_{10}H_{13}S_2P$	....	110 d. ; *116* s.t.	„	B., 15, 2018	„

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diethylphenylphosphine sulphide	Et_2PhPS	$C_{10}H_{15}SP$	a. 360	s. ord. temp.	Ananoff	A., 181, 355 ; B., 8, 497	**28**, 1204
Dimethylxylylphosphine $+CS_2$	$Me_2(C_6H_3Me_2)P,CS_2$	$C_{11}H_{15}S_2P$	....	115 d. ; *121* s.t.	Czimatis	B., 15, 2018	**44**, 58
Triphenylphosphine sulphide	Ph_3PS	$C_{18}H_{15}SP$	....	150 151	Michaelis and Gleichmann	B., 15, 803	**42**, 1062
?	Ph.P.PPh.PPh.S (?)	$C_{18}H_{15}SP_3$	....	138	Köhler & Michaelis	B., 10, 811	**32**, 451
Triphenylic tetrathiophosphate	$PS(SPh)_3$	$C_{18}H_{15}S_4P$	....	86	Schwarze	J. p. [2], 10, 234	
?	$Ph_4P_2S_3$	$C_{24}H_{20}S_3P_2$	....	192-193	Köhler & Michaelis	B., 10, 816	**32**, 450
Methylarsine sulphide	$MeAsS$	CH_3SAs	....	abt. 110	Baeyer	A., 107, 281	i., 402
Cacodyl sulphide	$S(AsMe_2)_2$	$C_4H_{12}SAs_2$	a. 100	b. 40	Bunsen	....	i., 409
„ disulphide	$S_2(AsMe_2)_2$	$C_4H_{12}S_2As_2$	....	50	„	A., 46, 19	„
Phenylarsine sulphide	$PhAsS$	C_6H_5SAs	....	152	Schulte	B., 15, 1956	**44**, 186
Triethylarsine sulphide	Et_3AsS	$C_6H_{15}SAs$	....	100	....	....	i., 399
Phenylarsine sesquisulphide	$Ph_2As_2S_3$	$C_{12}H_{10}S_3As_2$	....	130	Schulte	B., 15, 1959	**44**, 186
Triphenylarsine sulphide	Ph_3AsS	$C_{18}H_{15}SAs$	....	162	Coste and Michaelis	A., 201, 244	
Tetramethylstibine sesquisulphide	$S_3(SbMe_2)_2$	$C_4H_{12}S_3Sb_2$	....	b. 100	Landolt	J. [1861], 571	
Triethylstibine sulphide	Et_3SbS	$C_6H_{15}SSb$	A., 97, 333	a. 100	Löwig & Schweizer	J. [1850], 474	i., 344
Triethylic trithiobismuthite	$Bi(SEt)_3$	$C_6H_{15}S_3Bi$	....	79	Claesson	J. p. [2], 15, 193	**32**, 295

(21.) CHSeN, CHSeP, CHNP, CHNAs.

Ammonium seleniocyanate	$(NH_4)Se.CN$	CH_4SeN_2	....	d. 170	Verneuil	C. R., 99, 1154	**48**, 376
Seleniocarbamide	$CSe(NH_2)_2$	„	C.R., 99, 1154	abt. 200 d.	„	B. S., 41, 599	**48**, 50, 376
Methylene seleniocyanate	$CH_2(Se.CN)_2$	$C_3H_2Se_2N_2$	....	132	Proskauer	B., 7, 1279	**28**, 144
Ethylene seleniocyanate	$CH_2(Se.CN).CH_2(Se.CN)$	$C_4H_4Se_2N_2$	....	128	„	B., 7, 1280	„
Allylic seleniocyanate	$CH_2:CH.CH_2(Se.CN)$	C_4H_5SeN	150–184	....	Wöhler	A., 109, 125	v., 221
Benzylic seleniocyanate	$Ph.CH_2(Se.CN)$	C_8H_7SeN	....	71·5	Jackson	B., 8, 321	**28**, 1025
Benzyl seleniocarbamide	$NH_2.Se.NH.CH_2Ph$	$C_8H_{10}SeN_2$	J. [1877], 351	70 p. d.	Spica	G. I., 7, 90	**32**, 189
Dibenzyl seleniocarbamide	$NH_2.Se.N(CH_2Ph)_2$	$C_{15}H_{16}SeN_2$	darkens 150	d. 216	„	G. I., 7, 90 ; J. [1877], 351	„
Trimethylphosphine selenide	Me_3PSe	C_3H_9SeP	....	84	Hofmann and Cahours	....	iv., 609
Triethyl phosphine selenide	Et_3PSe	$C_6H_{15}SeP$	....	112	„	J. 10, 377	iv., 613
Triphenyl phosphine selenide	Ph_3PSe	$C_{18}H_{15}SeP$	....	183	Michaelis & Soden	A., 229, 334	**48**, 1134
Ethylcyanophosphine	$Et.PH.CN$	C_3H_6NP	....	49–50	Darmstädter and Henniger	C. R., 70, 404 ; B., 3, 179	vi., 933 ; vii., 405
Phosphorus anilidonitride	$P_3N_3(NHPh)_6$	$C_{36}H_{36}N_9P_3$	....	268	Hofmann	B., 17, 1910	**48**, 16
„ toluidonitride	$P_3N_3(NH.C_6H_4Me)_6=(1.4)_6$	$C_{42}H_{48}N_9P_3$	....	243	„	B., 17, 1912	„
Cacodylic cyanide	$Me_2As.CN$	C_3H_6NAs	140	33	Bunsen	A., 37, 25	i., 406

(22.) MISCELLANEOUS COMPOUNDS CONTAINING FOUR ELEMENTS OTHER THAN HYDROGEN.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trichloracetyl bromide	$CCl_3.CO.Br$	C_2Cl_3BrO	abt. 143	J. p. [2], 20, 196	Gal	C. R., 76, 1019; J. [1873], 536	**26**, 746; vii., 19
Hexachlortetrabromethyl oxide	....	$C_4Cl_6Br_4O$	....	96	Malaguti	A. C. [3], 16, 4–25	ii., 541
Trichloracetyl iodide	$CCl_3.CO.I$	C_2Cl_3IO	abt. 180	J. [1873], 536	Gal	C. R., 76, 1019	**26**, 746; vii., 19
Trichlormethylsulphonyl chloride	$CCl_3.SO_2Cl$	CCl_4O_2S	170	135	Kolbe	A., 54, 148	v., 560
" "	"	"	A., 111, 105; B.S., 37, 390; Gilb. Ann. 48, 161	135	Rathke	B., 3, 860	**24**, 345
Dichlordinitromethane	$CCl_2(NO_2)_2$	$CCl_2O_4N_2$	a. 100	A., 38, 16	Marignac	R. S., 5, 375	iii., 1006
Chloropicrin	$CCl_3.NO_2$	CCl_3O_2N	*111·91 c. (751)*	A., 106, 144	Thorpe	....	**37**, 198
"	"	"	112	A., 101, 212	Hofmann	A., 139, 111	vi., 445
" (A., 109, 282)	"	"	112·8 (743)	J. [1872], 298	Cossa	G. I., 2, 181	**25**, 889; vii., 328
"	"	"	120	A., 66, 241	Stenhouse	J., 1, 540	i., 923
Trichloracetyl cyanide	$CCl_3.CO.CN$	C_3Cl_3ON	117–119	Liquid	Hofferichter	J. p. [2], 20, 196	**38**, 35
" "	"	"	*121–122*	....	Claessen and Antweiller	B., 13, 1936	**40**, 153
" "	....	(")$_n$	....	140	Hofferichter	J. p. [2], 20, 198	**38**, 35
PCl_5 on perchlorpyrocoll	....	C_5Cl_7ON	....	146–147·5	Ciamician & Danesi	G. I., 12, 28	**42**, 875
Nitropentachlorbenzene	$C_6Cl_5.NO_2$	$C_6Cl_5O_2N$	328 p.d.	146	Jungfleisch	A. C. [4], 15, 186; J. [1868], 353	vii., 147
Perchlorpyrocoll	....	$C_{10}Cl_6O_2N_2$	....	320 d.	Ciamician & Danesi	G. I., 12, 31	**42**, 875
PCl_5 on perchlorpyrocoll	....	$C_{10}Cl_{10}ON_2$	....	195–197	"	G. I., 12, 28	"
Tribromthiophensulphonic anhydride	$(C_4SBr_3.SO_2)_2O$	$C_8Br_6O_5S_4$	....	115–116	Rosenberg	B., 18, 1775	**48**, 1051
Bromnitroform	$CBr(NO_2)_3$	$CBrO_6N_3$	....	12	Schischkoff	A., 119, 247	iv., 110
Bromopicrin	$CBr_3.NO_2$	CBr_3O_2N	a. 100	A., 155, 253	Stenhouse	P. M. (4), 8, 36; A., 91, 307	i., 923
"	"	"	A., 180, 122	*10·25*	Bolas and Groves	(2), 8, 153	vii., 212
Nitrodibromacetonitril	$CBr_2(NO_2).CN$	$C_2Br_2O_2N_2$	130–135 d.	50	Kekulé	A., 105, 281	iv., 111
Dinitrotetrabrombenzene	$Br_4.(NO_2)_2$=1.2.3.5.4.6	$C_6Br_4O_4N_2$	J. [1879], 394	227–228	Richter	B., 8, 1427	**29**, 390
Nitrodiiodoacetonitril	$CI_2(NO_2).CN$	$C_2I_2O_2N_2$	d. 170	86 p.d.	Sell & Biedermann	B., 5, 89	**25**, 413
Thionylcyanide	$SO(CN)_2$	C_2OSN_2	....	70	Gauhe	A., 143, 264	
Phosphorus thiocyanate	$P(S:CN)_3$	$C_3S_3N_3P$	260–270	Liquid −20	Miquel	A. C. (5), 11, 289, 349	**32**, 872

IV.—COMPOUNDS CONTAINING FIVE ELEMENTS.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Amidobenzoic acid+HF	$C_6H_4(NH_2.HF).CO_2H$=1.3	$C_7H_8FO_2N$	....	175	Paterno & Oliveri	G. I. [1882], 85	**42**, 614
" " "	" =1.2	"	....	abt. 200 d.	"	"	"
" " "	" =1.4	"	....	210–211	"	"	"
Fluohippuric acid	$C_6H_4F.(CO.NH.CH_2.CO_2H)$ =1.2	$C_9H_8FO_3N$	....	121·5	Coppola	G. I., 13, 521	**46**, 446
" "	" =1.3	"	....	152	"	"	"
" "	" =1.4	"	....	161–161·5	"	"	"
Chlorbromiodethane	$CH_2I.CHBrCl+3(CHBrI.CH_2Cl)$	C_2H_3ClBrI	193–195 p.d.	Liquid	Henry	C. R., 98, 680	**46**, 830
Chlorbromal	$CClBr_2.COH$	C_2HClBr_2O	148–149	Liquid	Jacobsen and Neumeister	B., 15, 601	**42**, 938
Chlordibromacetic acid	$CClBr_2.CO_2H$	$C_2HClBr_2O_2$	232–234 p.d.	89	Neumeister	B., 15, 603	**42**, 944
Bromchloral	$CCl_2Br.COH$	C_2HCl_2BrO	126	Liquid	Jacobsen and Neumeister	B., 15, 600	**42**, 938
Bromdichloracetic acid	$CCl_2Br.CO_2H$	$C_2HCl_2BrO_2$	215 s.d.	64	Neumeister	B., 15, 602	**42**, 943
Chloracetyl bromide	$CH_2Cl.COBr$	C_2H_2ClBrO	127	....	Wilde	A., 130, 372	**vi.**, 21
" "	"	"	134	....	Gal	B. S., 5, 172	"
Bromacetyl chloride	$CH_2Br.COCl$	"	127	Liquid	Geuther	A., 132, 171	**vi.**, 22
" "	"	"	127	....	Wilde	J., 17, 319	
Chlorbromacetic acid	$CHClBr.CO_2H$	$C_2H_2ClBrO_2$	201	Liquid	Cech and Steiner	B., 8, 1174	**29**, 373
Chlorbromal hydrate	$CClBr_2.CH(OH)_2$	$C_2H_3ClBr_2O_2$	....	51–52	Jacobsen and Neumeister	B., 15, 601	**42**, 938
Bromchloral "	$CCl_2Br.CH(OH)_2$	$C_2H_3Cl_2BrO_2$	....	51	"	B., 15, 600	"
α-Chlordibromacrylic acid	$CBr_2:CCl.CO_2H$	$C_3HClBr_2O_2$	....	104	Mabery & Lloyd	A. C. J., 6, 157	**48**, 510
β- " "	$CBrCl:CBr.CO_2H$	"	....	99	"	"	**48**, 511
β-Bromdichloracrylic "	$CBrCl:CCl.CO_2H$	$C_3HCl_2BrO_2$	....	75–78	Mabery and Nicholson	A. C. J., 6, 165	**48**, 507
β-Bromtetrachlorpropionic acid	$CBrCl_2.CCl_2.CO_2H$	$C_3HCl_4BrO_2$	....	225 d.	Mabery	A. C. J., 6, 155	**48**, 508
Chlorbromacrylic acid	....	$C_3H_2ClBrO_2$	....	70	Hill	B., 12, 660	**36**, 616
" "	....	"	....	70	Mabery & Lloyd	A. C. J., 3, 124	**40**, 1126
Tribromchloracetone	....	$C_3H_2ClBr_3O$	....	abt. 50	Claus & Lindhorst	B., 13, 1210	**38**, 862
"	....	"	$+4H_2O$	55	Grimaux & Adam	B. S. [2], 33, 257	**38**, 457
Chlortribrompropionic acid	$C_2HClBr_3.CO_2H$	$C_3H_2ClBr_3O_2$	....	abt. 98	Mabery & Lloyd	A. C. J., 3, 124	**40**, 1126
" "	"	"	....	102–103	Mabery & Weber	A. C. J., 4, 104	**42**, 1047
α-Dibromdichloracetone	....	$C_3H_2Cl_2Br_2O$	140–141	....	....	B. S., 32, 14	
β- "	....	"	....	Liquid	Conrad & Guthzeit	B., 16, 1552	**44**, 1083
β- "	$CH_2Cl.CO.CClBr_2$(?)	"	....	Liquid −10	Carius	B., 3, 394	**vii.**, 14
β- "	....	"	$+4H_2O$	49–50·5	"	B., 3, 395	"
β- "	....	"	"	55–56	....	B. S., 32, 14	
β- "	....	"	"	56	Conrad & Guthzeit	B., 16, 1552	**44**, 1083
α-Dibromdichlorpropionic acid	....	$C_3H_2Cl_2Br_2O_2$	....	94–95	Hill and Mabery	B., 14, 1679; 16, 80; A. C. J., 4, 263	**40**, 1029; **44**, 309
β- " "	$CBr_2Cl.CHCl.CO_2H$	"	....	100	Mabery and Nicholson	A. C. J., 6, 165	**48**, 507
γ- " "	id. with β- (?)	"	....	118–120	Hill and Mabery	B., 14, 1679; 16, 80; A. C. J., 4, 263	**40**, 1029; **44**, 309
Chlordibrompropionic acid	$C_2H_2ClBr_2.CO_2H$	$C_3H_3ClBr_2O_2$	....	80	Mabery & Weber	A. C. J., 4, 104	**42**, 1047
Bromchloracetone	$CH_2Br.CO.CH_2Cl$	C_3H_4ClBrO	176–188	34–35·5	Theegarten	B., 6, 1212	**vii.**, 320
"	"	"	*177–180*	34–35·5	"	B., 6, 1277	**27**, 242, 245
Chlorbrompropionic acid	$CH_2Cl.CHBr.CO_2H$	$C_3H_4ClBrO_2$	215	37	Henry	B., 7, 757	**27**, 978
" " ...	"	"	210–215 p.d.	37	"	B., 7, 758	**27**, 980
Chlorbromhydrin	$CH_2Cl.CHBr.CH_2.OH$	C_3H_6ClBrO	197 u.c.	....	"	B., 7, 757	**27**, 978
"	"	"	197	...	"	J. p. [2], 10, 185	**28**, 346
"	"	"	197	....	....	As., 1, 225	**ii.**, 898

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlorbromhydrin	$CH_2Br.CHCl.CH_2.OH$	C_3H_6ClBrO	197	....	Henry	B., 7, 758	
,, ...	$CH_2Br.CH(OH).CH_2Cl$	,,	195–197	Liquid	,,	B., 3, 352	
,, ...	,,	,,	197	....	Reboul	J., 13, 458	
,, ...	,,	,,	*190–195*	....	Grimaux & Adam	B. S. [2], 33, 257	**38**, 457
,, ...	?	,,	185–197	....	Henry	Z. C., 13, 604	
Chlortribromcrotonic aldehyde hydrate	$CBr_2Cl.CH:CBr.CH(OH)_2$ or $CBr_2Cl.CBr:CH.CH(OH)_2$	$C_4H_2ClBr_3O$	110 d.	78	Pinner	B., 8, 1324	**29**, 553
Chlortribromcrotonic acid	Acid from above	$C_4H_2ClBr_3O_2$	....	140	,,	,,	,,
Dibromsuccinyl dichloride	$COCl.C_2H_2Br_2.COCl$	$C_4H_2Cl_2Br_2O_2$	218–220 d.	A., 117, 130	Kekulé	As., 2, 86	v., 462
?	....	$C_4H_2Cl_4Br_4O$	....	60	....	Z. C. [1869], 394	
?	....	$C_4H_4Cl_2Br_2O$	....	66 d.	Demarçay	B. S. [2], 33, 524	**38**, 626
?	A.C.(5), 20, 464	,,	....	67–67·5	,,	C. R., 88, 126	**36**, 458
Ethylic chlordibromacetate	$CClBr_2.CO_2Et$	$C_4H_5ClBr_2O_2$	203	Liquid	Neumeister	B., 15, 604	**42**, 944
Chlordibrombutyric acid	$C_3H_4ClBr_2.CO_2H$	,,	A., 164, 105	92	Sarnow	B., 5, 470	**25**, 690
Ethylic bromdichloracetate	$CCl_2Br.CO_2Et$	$C_4H_5Cl_2BrO_2$	188–189	Liquid	Neumeister	B., 15, 603	**42**, 944
Trichlordibromethyloxide	$CCl_2Br.CClBr.O.Et$	$C_4H_5Cl_3Br_2O$	....	17	Busch	B., 11, 446	**34**, 487
?	....	,,	135 (40)	ord. temp.; s.f.m.	Paterno & Pisati	G. I., 2, 333	**26**, 159; vii., 2
Ethylic chlorbromacetate....	$CHClBr.CO_2Et$	$C_4H_6ClBrO_2$	160–163 p.d.	Liquid	Cech and Steiner	B., 8, 1174	**29**, 373
Chlorethylic bromacetate....	$CH_2Br.CO_2.CH_2.CH_2Cl$	,,	213–215 u.c.	Liquid	Henry	C. R., 97, 1308	**46**, 421
Dichlordibrombutyraldehyde hydrate	$CH_2Cl.CHBr.CClBr.CH(OH)_2$	$C_4H_6Cl_2Br_2O_2$	....	72	Natterer	M. C., 4, 539	**44**, 965
Chlorbromal alcoholate	$CClBr_2.CH(OH)(OEt)$	$C_4H_7ClBr_2O_2$	....	46	Jacobsen and Neumeister	B., 15, 601	**42**, 938
Bromchloral alcoholate .	$CCl_2Br.CH(OH)(OEt)$	$C_4H_7Cl_2BrO_2$	....	43	,,	B., 15, 600	,,
Trichlorethylidene tribromlactate	$CBr_3.CH.CO_2.CH(CCl_3).O$	$C_5H_2Cl_3Br_3O_3$	A., 193, 54	132–135	Wallach and Reinecke	B., 10, 2129	**34**, 404
Tibromethylidene trichlorlactate	$CCl_3.CH.CO_2.CH(CBr_3).O$	,,	,,	149–150	,,	,,	,,
Bromchloralide	....	$C_5H_2Cl_4BrO_3$	....	122	Jacobsen and Neumeister	B., 15, 600	**42**, 938
β-trichloracetodibrompropionic acid	$CCl_3.CO.(CHBr)_2.CO_2H$	$C_5H_3Cl_3Br_2O_3$	....	97·5	Kekulé and Strecker	A., 223, 170	**46**, 1122
Chlordibromhydroxyvaleric acid	$C_4H_6ClBr_2(OH).CO_2H$	$C_5H_7ClBr_2O_3$	....	169	Pinner & Klein	B., 11, 1497	**36**, 43
Glycerolacetochlorbromhydrin	$CH_2Br.CH(OAc).CH_2Cl$	$C_5H_8ClBrO_2$	220 or 228(?)	....	....	A. C. [3], 52, 462	i., 26
Dibromchlorpropylethyloxide	$CHClBr.CHBr.CH_2.OEt$	$C_5H_9ClBr_2O$	220 d.	....	Friedel & Silva	C. R., 75, 81; J. [1872], 324	**25**, 805; vii., 1020
Glycerolethylchlorbromhydrin	$CH_2Cl.CH(OEt).CH_2Br$	$C_5H_{10}ClBrO$	186–188	....	....	A., 119, 239	ii., 883
,,	$C_3H_5BrCl.OEt$	,,	200 p.d.	....	Henry	B., 7, 1113	**28**, 143
Chlordibromresorcinol chlorobromide	$C_6HClBr_2.OCl.OBr=(?)_3.1.3$	$C_6HCl_2Br_3O_2$	....	175	Benedikt	M. C., 4, 227	
Trichlorresorcinol dibromide	$C_6HCl_3(OBr)_2=(?)_3.1.3$	$C_6HCl_3Br_2O_2$	....	d. 130	,,	M. C. 4, 225	**44**, 984
Fr. chloranilic acid	....	$C_6HCl_3Br_3O$	As., 8, 17	79·5	Stenhouse	[2], 8, 6	vi., 989
Chlorbromquinone ...	$C_6H_2ClBr:O_2=(?)_2.1.4$	$C_6H_2ClBrO_2$	A., 210, 160	172	Schulz	B., 15, 656	
Dichlordibromquinol	$(OH)_2.Cl_2.Br_2=1.4.2.5.3.6$	$C_6H_2Cl_2Br_2O_2$	....	230	Levy	B., 18, 2369	**48**, 1210
,,	,, $=1.4.5.(?)_3$	,,	brown 220	230 u.c.	Krause	B., 12, 54	**36**, 462
Trichlorphenol bromide	$C_6H_2Cl_3.OBr$	$C_6H_2Cl_3BrO$	....	99	Benedikt	M. C., 4, 235	**44**, 986
Trichlorbromquinol	$(OH)_2.Cl_3.Br=1.4.2.5.6.3$	$C_6H_2Cl_3BrO_2$	As., 6, 219	229	Levy and Schulz	A., 210, 161	**42**, 510
α-Chlordibromresorcinol	$(OH)_2.Cl.Br_2=1.4.5.(?)_2$	$C_6H_3ClBr_2O_2$	....	86	Benedikt	M. C., 4, 227	
β- ,, ...	,, $=1.4.5.(?)_2$	,,	....	105	Reinhard	J. p. [2], 17, 326	**34**, 726
Dichlorbromresorcinol	$(OH)_2.Cl_2.Br=1.4.5.(?)_2$	$C_6H_3Cl_2BrO_2$	....	100	,,	J. p. [2], 17, 330	,,
Chlorbromquinol	$(OH)_2.Cl.Br=1.4.5.?$	$C_6H_4ClBrO_2$	....	171–172	Schulz	B., 15, 656	
?	$C_6H_8Cl_2Br.OH$	$C_6H_9Cl_2BrO$	160–170 (20)	....	Natterer	M. C. 5, 567	**48**, 498
Brombenzoyl chloride	$C_6H_4Br.COCl=1.3$	C_7H_4ClBrO	239	Liquid	Hubner	Z. C., 14, 301	**24**, 1055
Chlorbrombenzoic acid ...	$C_6H_3ClBr.CO_2H$	$C_7H_4ClBrO_2$	sb. a. 160	?	Claus	B., 5, 657	
Chlorbromsalicylic acid	$CO_2H.OH.Cl.Br=1.2.(?)_2$	$C_7H_4ClBrO_3$	....	151	Claus and Pfeiffer	B., 5, 656	**25**, 1014; vii., 163
Bromterephthalic dichloride	$(COCl)_2.Br=1.4.5$	$C_8H_3Cl_2BrO_2$	304·5–305·5c	Liquid	Fischli	B., 12, 620	**36**, 639

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenylchlorbrompropionic acid	$C_2H_2ClBrPh.CO_2H$	$C_9H_8ClBrO_2$	....	179–180	....	A., 147, 92	
Diacetyldichlordibromquinol	$(OAc)_2.Cl_2.Br_2$=1.4.2.5.3.6	$C_{10}H_6Cl_2Br_2O_4$	....	265	Levy	B., 18, 2369	**48**, 1210
"	" =1.4.2.6.3.5	"	....	269–270	"	"	"
Diacetylchlorbromquinol....	$(OAc)_2$.Cl.Br=1.4.2.?	$C_{10}H_8ClBrO_4$	....	145–146	Schulz	B., 15, 656	
α-Chlorbromcamphor	....	$C_{10}H_{14}ClBrO$	....	95–96	Cazeneuve	C. R., 100, 802	**48**, 668
β- "	....	"	....	50	"	C. R., 100, 859	**48**, 806
Dichlordibromdiphenoquinone dichloride	$[.C_6HClBr(OCl).O.]_2$	$C_{12}H_2Cl_4Br_2O_4$	....	a. 200 d.	Benedikt	M. C., 4, 228	**44**, 984
Dichlordibromtetrahydroxydiphenyl	$[.C_6HClBr(OH)_2]_2$	$C_{12}H_6Cl_2Br_2O_4$	....	265 d.	"	M. C., 4, 229	**44**, 985
Brom-o-cresolphthaleïn chloride	$C_6H_4(COCl).CO.C_6H_2MeBr.OH$	$C_{15}H_{10}ClBrO_3$	....	208; 208–210	Fraude	B., 12, 240; A., 202, 162	**36**, 635
Diazotribrombenzene chlorodibromide	$C_6H_2Br_3.NBr.NBrCl$	$C_6H_2ClBr_5N_2$	....	d. 100	....	J. p. [2], 27, 114	
Tribromdichloraniline	$NH_2.Cl_2.Br_3$=1.3.5.2.4.6	$C_6H_2Cl_2Br_3N$	A., 215, 122	219·5	Langer	B., 15, 1332	**42**, 1059
Trichlordibromaniline	$NH_2.Cl_3.Br_2$=1.2.4.6.3.5	$C_6H_2Cl_3Br_2N$	A., 215, 119	238·5	"	B., 15, 1330	
Tetrachlorbromaniline	$NH_2.Cl_4.Br$=1.2.3.4.6.5	$C_6H_2Cl_4BrN$	A., 215, 118	227	"	B., 15, 1328	**42**, 1058
Tribromchloraniline	$NH_2.Cl.Br_3$=1.3.(?)$_3$	$C_6H_3ClBr_3N$	A., 215, 112	123·5	"	B., 15, 1065	
Dibromchloraniline	$NH_2.Cl.Br_2$=1.2.(?)$_2$	$C_6H_4ClBr_2N$	A., 215, 115	95	"	"	
"	" =1.4.2.6	"	....	?	....	A., 53, 38	
Dichlorbromaniline	$NH_2.Cl_2.Br$=1.2.6.4	$C_6H_4Cl_2BrN$	....	93·5	Fittig & Buchner	A., 188, 22	**34**, 51
Chlorbromaniline	$NH_2.Cl.Br$=1.2.4	C_6H_6ClBrN	....	69–69·5	"	A., 188, 14	**34**, 50
"	" "	"	....	69–69·5	Fittig	B., 8, 15	**28**, 643
Chlorbromoxalethyline dibromide	$C_6H_8ClBrN_2:Br_2$	$C_6H_8ClBr_3N_2$	....	132–133	Wallach	A., 214, 289	**44**, 49
" "	"	"	....	132–133	Wallach and Oppenheim	B., 10, 1196	**34**, 55
" hydrobromide	$C_8H_8ClBrN_2$+HBr	$C_6H_9ClBr_2N_2$	....	112·5–113·5	"	"	**34**, 55
" "	"	"	....	112–113	Wallach	A., 214, 289	**44**, 49
Isocyano-p-bromphenylchloride	....	$C_7H_4Cl_2BrN$	255–256	Liquid	Dennstedt	B., 13, 232	**38**, 634
Brombenzylamine+HCl	$Br.(CH_2.NH_3Cl)$=1.2	C_7H_9ClBrN	....	208	Jackson & White	B., 13, 1219	**38**, 879
" "	" =1.4	"	....	260 d.	Jackson & Lowery	A. C. J., 3, 247	**42**, 170
Chlorbenzylamine+HBr....	$Cl.(CH_2.NH_3Br)$=1.4	"	....	225–230 d.	Jackson & Field	A. C. J., 2, 85	**40**, 805
Bromtoluidine+HCl	$Me.Br.(NH_3Cl)$=1.3.4	"	....	221 d.	Wroblewsky	A., 168, 147	**27**, 51
Dibromtetrahydroquinoline+HCl	....	$C_9H_{10}ClBr_2N$	....	162 d.	Hoffmann and Königs	B., 16, 737	**44**, 1145
" "	....	"	....	74–75 u.c.	Claus and Istel	B., 15, 823	**42**, 1111
Dibromdibenzylamine +HCl	$NH_2Cl(CH_2.C_6H_4Br)_2$=(1.2)$_2$	$C_{14}H_{14}ClBr_2N$	....	166	Jackson & White	B., 13, 1219	**38**, 879
" "	" =(1.4)$_2$	"	....	283	Jackson & Lowery	A. C. J., 3, 247	**42**, 171
α-Dichlordibenzylamine +HBr	$NH_2Br(CH_2.C_6H_4Cl)_2$=(1.4)$_2$	$C_{14}H_{14}Cl_2BrN$	....	283–290	Berlin	A., 151, 133	**vi.**, 338
α- " "	" "	"	....	280–290	Jackson & Field	....	**40**, 805
β- " "	" = ?	"	....	224	Berlin	A., 151, 133	**vi.**, 338
γ- " "	" = ?	"	....	210–212	"	"	"
δ- " "	" = ?	"	....	198–199	"	"	"
Chlorbenzylquinoline dibromide	....	$C_{16}H_{14}ClBr_2N$	....	91–92 u.c.	Claus	B., 18, 1306	**48**, 908
Brombenzylquinoline dichloride	....	$C_{16}H_{14}Cl_2BrN$	....	80 u.c.	"	"	"
Phosphenyldichlordibromide	$Ph.PCl_2Br_2$	$C_6H_5Cl_2Br_2P$	A., 181, 298	208	Michaelis	B., 6, 817	**27**, 168

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Glycerolchloriodhydrin	$C_3H_5ClI(OH)$	C_3H_6ClIO	226	J., 13, 458	Reboul	As., 1, 226	
"	$C_2H_3ClI.CH_2.OH$	"	....	Liquid	Henry	B., 3, 351	
Methylallylchloriodhydrin	$C_2H_3ClI.CH_2.OMe$	C_4H_8ClIO	195–196	....	Silva	B., 8, 1470	
Trimethyl sulphine dichlor-iodide	Me_3SICl_2	$C_3H_9Cl_2IS$	....	103–104 p.d.	Masson & Dobbin	....	**47**, 60
Chloriodopyridine + HCl	$C_5NH_3ClI + HCl$	$C_5H_4Cl_2IN$	....	178	Ostermeyer	C. C. [1884], 937	**48**, 673
Chloriodopicoline	....	C_6H_5ClIN	....	111		J. p. [2], 27, 279	
Pyridine methochloride chloriodide	$C_5NH_5.MeCl.ClI$	$C_6H_8Cl_2IN$	....	81–82	Ostermeyer	B., 18, 593	**48**, 814
Chloroxalethyline metho-iodide	$C_6H_9ClN_2.MeI$	$C_7H_{12}ClIN_2$	A., 214, 262	203	Wallach	B., 13, 515; 14, 737; A., 184, 45	
Chloriodoquinoline	....	C_9H_7ClIN	....	158	Ostermeyer	C. C. [1884], 937	**48**, 673
" +HCl	....	$C_9H_8Cl_2IN$	....	118	"	"	"
Chloriodoquinoline dichloride + HCl	....	$C_9H_8Cl_4IN$	....	180	"	"	"
Chlorquinoline methiodide	(N.Cl=α_1; β_1 or α_2)+MeI	$C_{10}H_9ClIN$	....	231–232	Coste & Bodewig	B., 17, 927	**46**, 1197
Quinoline methiodide chloriodide	NMeI.Cl.I =$\alpha_1\beta_2\alpha_2$;	$C_{10}H_{10}ClI_2N$	....	102	Ostermeyer	B., 18, 600	
Quinoline methochloride chloriodide	NMeCl.Cl.I =$\alpha_1\beta_2\alpha_2$;	$C_{10}H_{10}Cl_2IN$	....	112	"	B., 18, 594, 598; C. C. [1884], 937	**48**, 673
Dimethamidohydroquinoline methochloride chloriodide	$C_9H_{10}N.NMe_2 + MeCl + ClI$	$C_{12}H_{19}Cl_2IN_2$	....	127	"	B., 18, 597	**48**, 814
γ-Dichlordibenzylamine +HI	$NH_2I(CH_2.C_6H_4Cl)_2$	$C_{14}H_{14}Cl_2IN$	....	187	Berlin	A., 151, 133	vi., 338
β- " "	"	"	....	215	"	"	vi., 337
δ- " "	"	"	....	216–218	"	"	vi., 338
Diquinoline methochloride chloriodide	$C_{18}H_{12}N_2.2MeCl.2ClI$	$C_{20}H_{18}Cl_4I_2N_2$	....	238	Ostermeyer	B., 18, 598	**48**, 814
Trichlormethylsulphonic acid	$CCl_3.SO_2.OH + H_2O$	$CHCl_3O_3S$	160 p.d.	130	Kolbe	A., 54, 174	v., 558
" "	"	"	Z. C. [1869], 82	*135*	Richter	R. K. T., 12	
Dichlormethylsulphonic acid	$CHCl_2.SO_2.OH$	$CH_2Cl_2O_3S$	A., 148, 94	a. 140	Kolbe	A., 54, 164	v., 557
Methylsulphonyl chloride	$CH_3.SO_2.Cl$	CH_3ClO_2S	150–153	....	"	A., 54, 164; 114, 142	v., 556
" "	"	"	160	Liquid	Nishack	A., 218, 283	**44**, 972
Methylic chlorosulphate	$Cl.SO_2.OMe$	CH_3ClO_3S	80 (6)	....	Behrend	J. p. [2], 15, 32	**32**, 289
Sulphochloracetyl chloride	$Cl.CO.CHCl.SO_2Cl$	$C_2HCl_3O_3S$	130-135 (645)	Liquid	Siemens	B., 6, 660	**26**, 1022
?	....	$C_2H_2Cl_2O_3S$	150	....	Kammerer and Carius	A., 131, 165	v., 476
Chloral sulphhydrate	$CCl_3.CH(OH)(SH)$	$C_2H_3Cl_3OS$	123	77	Byasson	C. R., 74, 1290	**25**, 612; vii., 312
Dichlorethylsulphonyl chloride	$C_2H_3Cl_2.SO_2Cl$	$C_2H_3Cl_3O_2S$	130–140	....	James	J. p. [2], 30, 316	**48**, 365
Chlorethylsulphonyl chloride	$CH_2Cl.CH_2.SO_2Cl$	$C_2H_4Cl_2O_2S$	125–127 (30)	....	Königs	B., 7, 1163	**28**, 140
" "	"	"	200	....	....	A., 122, 37	
" "	"	"	*200–205*	....	James	J. p. [2], 26, 383	**43**, 42
Ethylenedisulphonyl chloride	$SO_2Cl.CH_2.CH_2.SO_2Cl$	$C_2H_4Cl_2O_4S_2$	....	91	Königs	B., 7, 1163	**28**, 140
Ethoxythionyl chloride	$EtO.SO.Cl$	$C_2H_5ClO_2S$	122	Liquid	Michaelis and Wagner	B., 7, 1074	"
Ethylsulphonyl chloride	$Et.SO_2Cl$	"	171	....	"	"	"
" "	"	"	171	J. [1852], 434	Gerhardt and Chancel	C. R., 35, 691	v., 554

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylsulphonyl chloride	$Et.SO_2Cl$	$C_2H_5ClO_2S$	171	Liquid	Otto	B., 15, 122	**42**, 831
,, ,, ...	,,	,,	171	....	Strecker	J. [1870], 727	
,, ,, ...	,,	,,	*177·5 c.*	B., 15, 447	Carius	A., 114, 142	
Ethylic chlorosulphate	$Cl.SO_2.OEt$	$C_2H_5ClO_3S$	80–82 (i.v.)	Liquid	Purgold	Z. C. [2], 4, 669	vi., 595
,, ,, ...	,,	,,	80–96 (d.p.)	....	,,	B., 6, 502	**26**, 1216
,, ,, ...	,,	,,	93–95 (100)	....	Müller	B., 6, 228	
,, ,, ...	,,	,,	130	....	Kuhlmann	A., 33, 108	ii., 529
,, ,, ...	,,	,,	154	....	Baumstark	Z. C. [1867], 566	vi., 602
,, ,, ...	,,	,,	151–158	....	....	J. p. (2), 15, 30 ; 19, 250	
Ethylic chlorthioformate....	$Cl.CO.SEt$	C_3H_5ClOS	136	....	Salomon	J. p. (2), 7, 252	**26**, 1223
Thiophentrisulphonyl chloride	$C_4SH(SO_2Cl)_3$	$C_4HCl_3O_6S_4$	....	79–80	Rosenberg	B., 18, 1777	**48**, 1051
α-Thiophendisulphonyl chloride	$C_4SH_2(SO_2Cl)_2$	$C_4H_2Cl_2O_4S_3$	....	70	Jaekel	....	**48**, 766
β- ,, ,,	,,	,,	brown 140	148–149 d.	Langer	B., 18, 555	,,
β- ,, ,,	,,	,,	....	148–149	Rosenberg	B., 18, 1775, 1777	
α-Thiophensulphonyl chloride	$S.SO_2Cl{=}1.2$	$C_4H_3ClO_2S_2$	....	Liquid	Meyer and Kreis	B., 16, 2173	**46**, 45
α- ,, ,,	,, ,,	,,	a. 200 d.	Liquid	Weitz	B., 17, 798	**46**, 1130
β- ,, ,,	,, =1.3	,,	boils without d.	28 (?)	,,	,,	,,
β- ,, ,,	,, ,,	,,	....	*43*	Langer	B., 17, 1568	**46**, 1133
β- ,, ,,	,, ,,	,,	....	43–44	Rosenberg	B., 18, 1777	
Dichloralsulphhydrate	$S[CH(OH).CCl_3]_2$	$C_4H_4Cl_6O_2S$	B., 5, 154	127–128 d.	Wyss	B., 7, 211	**27**, 460
,, ...	,,	,,	....	128	Paterno and Oglialoro	G. I., 3, 333 ; B., 7, 80	**27**, 459
Ethylic dichlorthiacetate....	$CHCl_2.CO.SEt$	$C_4H_6Cl_2OS$	177–178	Liquid	Meyer	B., 14, 1507	**40**, 890
Chlorsulphethylic ether	....	,,	....	71–72	....	A., 32, 31	ii., 541
Ethylic chlorthiacetate	$CH_2Cl.CO.SEt$	C_4H_7ClOS	166–167	Liquid	Meyer	B., 14, 1508	**40**, 891
?	$CCl_3.CH(OH).S.CH(OH).Me$	$C_4H_7Cl_3O_2S$	....	96–97	Michael	B., 9, 1267	**31**, 188
Isobutylsulphonyl chloride	$Bu^{\beta}.SO_2Cl$	$C_4H_9ClO_2S$	189–191 u.c.	Liquid	Pauly	B., 10, 942	
α-Thiophenic chloride	$S.COCl{=}1.2$	C_5H_3ClOS	206 c.	Liquid	Peter	B., 18, 543	**48**, 767
β- ,, ,, ...	,, =1.3	,,	190 u.c.	Liquid	Nahnsen	B., 17, 2195	**48**, 52
β- ,, ,, ...	,, ,,	,,	*206 c.*	Liquid	Peter	B., 18, 542	
Chlorbenzenesulphonyl chloride	$C_6H_4Cl.SO_2Cl{=}1.3$	$C_6H_4Cl_2O_2S$	....	Liquid	Limpricht	B., 8, 1071	**29**, 82
,, ,,	,, ,,	,,	....	Liquid	Kieselinsky	A., 180, 110	**29**, 931
,, ,,	,, =1.2	,,	....	*28·5*	Limpricht	B., 10, 320	**32**, 193
,, ,,	,, ,,	,,	....	28·5	Bahlmann	A., 184, 357	**32**, 610
,, ,,	,, ,,	,,	....	28–29	Albert	B., 14, 1437	**40**, 902
,, ,,	,, =1.4	,,	....	50	Otto & Brunner	J. [1867], 632	vi., 274
,, ,,	,, ,,	,,	....	51	Nölting	B., 8, 819	**29**, 928
,, ,,	,, ,,	,,	....	*53*	Goslich	A., 180, 107	**29**, 930
,, ,,	,, ,,	,,	....	55	Beckurts & Otto	B., 11, 2064	**36**, 229
Dichlorbenzenesulphonic acid	$C_6H_3Cl_2.SO_3H{=}1.4.?$	$C_6H_4Cl_2O_3S$	A., 182, 94	a. 100	....	Z. C. [1868], 226	
Benzenedisulphonyl chloride	$C_6H_4(SO_2Cl)_2{=}1.3$	$C_6H_4Cl_2O_4S_2$	B., 9, 584	63	Körner and Monselise	G. I., 6, 133	**31**, 81
,, ,,	,, ,,	,,	....	63	Heinzelmann	A., 188, 157	**32**, 771
,, ,,	,, =1.2	,,	....	105	Limpricht	B., 9, 553	
,, ,,	,, =1.4	,,	B., 9, 584	131	Körner and Monselise	G. I., 6, 133	**31**, 81
Chlor-β-acetothiënone	$C_4SH_3.(CO.CH_2Cl){=}1.3$	C_6H_5ClOS	295 c.	47	Peter	B., 18, 540	**48**, 765
Benzenesulphonyl chloride	$C_6H_5.SO_2Cl$	$C_6H_5ClO_2S$	246	Liquid	Heumann and Köchlin	B., 15, 1118	
,, ,, (A., 136, 157)	,,	,,	246–247 d.	B., 5, 876	Richter	R. K. T., 117	
Benzenesulphonyl chloride (A., 145, 321)	,,	,,	254	A., 87, 299	Gerhardt and Chancel	C. R., 35, 690	v., 564
Chlorbenzenesulphinic acid	$C_6H_4Cl.SO_2H$	,,	A., 145, 323	88–89	Otto & Brummer	A., 143, 191	vi., 276

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlorphenolsulphonic acid	$OH.Cl.SO_3H$=1.4.6	$C_6H_5ClO_4S$	$+H_2O$	75–76	Petersen and Predari	A., 157, 133	vii., 919
Sulphamylcarbonyl chloride	$C_5H_{11}.S.COCl$	$C_6H_{11}ClOS$	190–195	Liquid	Schöne	J. p. (2), 30, 416	**46**, 512
Isoamylic trichlormethyl-sulphonate	$CCl_3.SO_2.OC_5H_{11}$	$C_6H_{11}Cl_3O_3S$	d. 150	....	....	A., 113, 38	
Benzoylsulphonyl dichloride	$C_6H_4(SO_2Cl)(COCl)$=1.3	$C_7H_4Cl_2O_3S$	abt. 300	....	Kammerer and Carius	A., 131, 159	vi., 323
Sulphonylchloride of chlorbenzoic acid	$CO_2H.Cl.SO_2Cl$ or $COCl.Cl.SO_3H$=1.4.?	$C_7H_4Cl_2O_4S$	....	140–150	Cöllen and Böttinger	A., 191, 32; B., 9, 1250	**31**, 82; **36**, 155
Toluenetrisulphonyl chloride	$C_6H_2Me(SO_2Cl)_3$	$C_7H_5Cl_3O_6S_3$	....	153	Claesson	B., 14, 309	**40**, 429
Chlorbenzylsulphonyl chloride	$Cl.(CH_2.SO_2Cl)$=1.4	$C_7H_6Cl_2O_2S$	....	85·5	Jackson & White	A. C. J., 2, 159; B., 13, 1218	**38**, 879; **40**, 807
α-Toluenedisulphonylchloride	$Me.(SO_2Cl)_2$=1.2.4	$C_7H_6Cl_2O_4S_2$	....	51–52	Blomstrand and Hakansson	B., 5, 1086	**26**, 505; vii., 1171
α- „ „	„ „	„	....	52	Gnehm & Forrer	B., 10, 543	**32**, 612
α- „ „	„ „	„	....	52	Gnehm	B., 10, 1276	**32**, 893
α- „ „	„ „	„	....	*52*	Fahlberg	A. C. J., 2, 181	**40**, 816
?- „ „	„ =?	„	....	86·5	Kornatzki	A., 221, 191	**46**, 70
β- „ „	„ =?	„	....	*94*	Blomstrand and Hakansson	B., 5, 1086	**26**, 505; vii., 1171
β- „ „	„ „	„	....	94	Limpricht	B., 18, 2180	
γ- „ „	„ =1.3.5	„	....	*132*	„	B., 18, 2177	**48**, 1233
Benzylsulphonyl chloride	$Ph.CH_2.SO_2Cl$	$C_7H_7ClO_2S$	....	*92*	„	B., 6, 534	**26**, 1040; vii., 186
„ „	„	„	....	92–93	Otto and Lüders	B., 13, 1286	**38**, 812
Toluenesulphonyl chloride	$Me.SO_2Cl$=1.2	„	....	L. f.m.	Beckurts	B., 10, 944	**32**, 775
„ „	„ „	„	....	Liquid	Müller	B., 12, 1348	
„ „	„ „	„	....	Liquid	Limpricht	B., 7, 1394	**28**, 368
„ „	„ „	„	....	Liquid	Pagel	A., 176, 291	**28**, 898
„ „	„ „	„	....	Liquid	Hübner and Post	A., 169, 29	
„ „	„ „	„	....	Liquid	Jenssen	A., 172, 236	**28**, 77
„ „	„ =1.3	„	....	L. −10	Hübner and Post	A., 169, 50	**27**, 60; vii., 1170
„ „	„ „	„	....	Liquid	Pagel	A., 176, 298	
„ „	„ „	„	....	Liquid	Müller	B., 12, 1349	
„ „	„ „	„	....	Liquid	Pechmann	A., 173, 202	
„ „	„ =1.4	„	250 d.	68	Otto and others	Z. C. [2], 4, 623	v., 860; vi., 290
„ „	„ „	„	....	69	Beckurts	B., 10, 944	**32**, 774
„ „	„ „	„	....	69	Müller	B., 12, 1348	vii., 1167
„ „	„ „	„	....	70	Otto and Gruben	A., 145, 10	vi., 288
„ „	„ „	„	....	79	Heumann and Köchlin	B., 15, 1118	
Methoxybenzenesulphonyl chloride	$OMe.SO_2Cl$=1.2	$C_7H_7ClO_3S$	....	55	Haitinger	M. C., 4, 175	**44**, 990
Chlorbenzylsulphonic acid	$Cl.(CH_2.SO_3H)$=1.4	„	A., 165, 372	108 d.	Jackson & White	B., 13, 1217; A. C. J., 2, 158	**38**, 879; **40**, 806
Phenylmercaptan+chloral	$C_2HCl_3O+Ph.SH$	$C_8H_7Cl_3OS$	....	52–53	Baumann	B., 18, 886	**48**, 749
Ethoxybenzenedisulphonyl chloride	$C_6H_4.OEt.(SO_2Cl)_2$	$C_8H_8Cl_2O_5S_2$	....	106–108	Zander	A., 198, 27	**40**, 124
Diacetylchloralsulphhydrate	$S[CH(OAc).CCl_3]_2$	$C_8H_8Cl_6O_4S$	....	78	Wyss	B., 7, 211	**27**, 460
Phenylsulphonethyl chloride	$Ph.SO_2.C_2H_4Cl$	$C_8H_9ClO_2S$	....	55–56	Otto and Damköhler	J. p. [2], 30, 171	**46**, 263
Ethylic chlorbenzenesulphinite	$C_6H_4Cl.SO_2Et$	„	....	123	Otto & Brummer	A., 143, 191	vi., 276
Xylenesulphonyl chloride	$Me_2.SO_2Cl$=1.3.2	„	....	L 0	Jacobsen	B., 11, 22	**34**, 411
„ „	=1.4.5	„	....	24–26	„	„	„
„ „	„ =1.3.4	„	....	32	Limpricht	B., 18, 2174, 2188	
„ „	„ „	„	....	*34*	Jacobsen	B., 11, 20	**34**, 411
„ „	„ =1.2.4	„	....	51–52	„	B., 10, 1012; 11, 23	**32**, 601

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethoxychlorbenzenesulphonic acid	$OEt.Cl.SO_3H$=1.4.?	$C_8H_9ClO_4S$	....	260	Petersen and Predari	A., 157, 147	**24**, 243
?	....	$C_8H_{12}Cl_{12}O_{17}S_3$	....	92	Grabowski	B., 6, 1071	**27**, 46
Ethylic chlorbenzoate sulphonic acid (?)	$CO_2Et.Cl.SO_3H$ or $CO_2H.Cl.SO_3Et$=1.4.?	$C_9H_9ClO_5S$	....	130–150	Cöllen and Böttinger	B., 9, 1251	**31**, 82
Tolylsulphonethyl chloride	$C_6H_4Me.SO_2.C_2H_4Cl$=1.4	$C_9H_{11}ClO_2S$	....	78	Otto and Damköhler	J. p. [2], 30, 321	**48**, 538
Mesitylenesulphonylchloride	$Me_3.SO_2Cl$=1.3.5.6	"	....	57	Holtmeyer	Z. C. [1867], 686	**vi.**, 301
Pseudocumenesulphonyl chloride	" =1.3.4.?	"	....	61	Radloff	B., 11, 32	**34**, 414
Dichlornaphthalene-α-sulphonyl chloride	$C_{10}H_5Cl_2.SO_2Cl$	$C_{10}H_5Cl_3O_2S$	....	145	Widmann	B., 12, 2229	**38**, 168
Dichlornaphthalene-β-sulphonyl chloride	"	"	....	133	"	B., 12, 961	**36**, 722, 723
Chlornaphthalenesulphonyl chloride	$Cl.SO_2Cl=\alpha_1\alpha_2$;	$C_{10}H_6Cl_2O_2S$	B., 16, 570	95	Arnell	B. S., 39, 62	
?-Naphthalenedisulphonyl chloride	$C_{10}H_6(SO_2Cl)_2$= ?	$C_{10}H_6Cl_2O_4S_2$	....	125	Armstrong	B., 15, 204	
α- " "	" "	"	B., 16, 570	157–158	Alén	B. S., 39, 63	
α- " "	" "	"	....	*157–158*	Ebert and Merz	B., 9, 597	**30**, 408
α- " "	" "	"	....	159	"	B., 8, 917	**29**, 262
α- " "	" "	"	....	162	Armstrong	B., 15, 204	
?- " "	" "	"	....	183	"	B., 15, 205	
β- " "	" "	"	B., 16, 570	226	Alén	B. S., 39, 63	
β- " "	" "	"	....	*226*	Ebert and Merz	B., 9, 597	**30**, 408
β- " "	" "	"	....	227	"	B., 8, 917	**29**, 262
α-Naphthalenesulphonyl chloride	$C_{10}H_7.SO_2Cl$	$C_{10}H_7ClO_2S$	....	*65*	Kimberley	A., 114, 132	**v.**, 561
α- " "	"	"	A., 183, 225	66	Liebermann	Z. C. [1869], 711	**31**, 608
β- " "	"	"	"	76	"	"	"
Tetrachloride of naphthalene-α-sulphonyl chloride	$SO_2Cl.Cl_4$= ?	$C_{10}H_7Cl_5O_2S$	....	Liquid	Widmann	B., 12, 2229	
Tetrachloride of naphthalene-β-sulphonyl chloride	" $=\beta_1$; $\alpha_1\beta_1\alpha_2\beta_2$	"	....	131	"	B., 12, 960	**36**, 723
?	....	$C_{10}H_9Cl_{15}O_{16}S_3$	....	70 d.	Grabowski	B., 6, 1070	**27**, 46
Metanetholsulphonylchloride	$C_{10}H_{11}O.SO_2Cl$	$C_{10}H_{11}ClO_3S$	....	182–183	Perrenoud	A., 187, 75	**32**, 481
Cymenesulphonyl chloride	$Me.Pr^{\alpha}.SO_2Cl$=1.2.?	$C_{10}H_{13}ClO_2S$	....	syrupy	Claus and Stusser	B., 13, 898; G. I., 12, 543	**38**, 632; **40**, 632; **44**, 460
" "	" =1.3.?	"	....	175	"	"	"
Isocymenesulphonyl chloride	$Me.Pr^{\beta}.SO_2Cl$=1.3.?	"	B., 16, 792	Liquid	Spica	G. I., 12, 543	
Chlordiamylsulphone ...	$C_5H_{11}.SO_2.C_5H_{10}Cl$	$C_{10}H_{21}ClO_2S$	330	Liquid	Spring and Winssinger	B., 17, 538	**46**, 1127
Tetrachlordihydroxysulphobenzide	$SO_2(C_6H_2Cl_2.OH)_2$	$C_{12}H_6Cl_4O_4S$	....	288–289	Ananheim	A., 172, 38; B., 9, 1150	**27**, 796; **vii.**, 886
Dichlorsulphobenzide	$SO_2(C_6H_4Cl)_2=(1.3)_2$	$C_{12}H_8Cl_2O_2S$	a. 350	Liquid	Otto and Gruber	A., 149, 180	**vi.**, 277
" ...	" $=(1.4)_2$	"	....	140–141	Otto	A., 145, 28	"
" ...	" "	"	....	*147*	Beckurts and Otto	B., 11, 2064	
"	" "	"	....	152	Gericke	A., 98, 389; 100, 207	
Chlorphenyldisulphoxide....	$S_2O_2(C_6H_4Cl)_2$	$C_{12}H_8Cl_2O_2S_2$	....	136–138	Otto	A., 145, 323	**vi.**, 920
Diphenyldisulphonylchloride	$(.C_6H_4.SO_2Cl)_2=(1.4)_2$	$C_{12}H_8Cl_2O_4S_2$	....	203 d.	Gabriel and Deutsch	B., 13, 390, 1411	**38**, 477
Chlorsulphobenzide	$Ph.SO_2.C_6H_4Cl$	$C_{12}H_9ClO_2S$	....	93	Beckurts and Otto	B., 11, 2067	**36**, 243
Diphenylsulphonyl chloride	$Ph.C_6H_4.SO_2Cl$=1.4	"	....	115 u. c.	Gabriel and Deutsch	B., 13, 386	**38**, 476
Benzophenonedisulphonyl chloride	$CO(C_6H_4.SO_2Cl)_2$(?)	$C_{13}H_8Cl_2O_5S_2$	....	121·5	Beckmann	B., 8, 993	**29**, 583
" "	"	"	....	134	"	B., 6, 1113	**27**, 157

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dichloride of benzophenonedisulphonyl chloride	$CCl_2(C_6H_4.SO_2Cl)_2$	$C_{13}H_8Cl_4O_4S_2$	....	128–129	Beckmann	B., 8, 993	**29**, 583
Anthraquinone sulphonyl chloride	$C_6H_4:(CO)_2:C_6H_3.SO_2Cl$ =2.1 ; 1.2.4	$C_{14}H_7ClO_4S$	....	193	McHoul	B., 13, 692	**40**, 51
Chlorbenzylsulphone	$SO_2(CH_2.C_6H_4Cl)_2$= ?	$C_{14}H_{12}Cl_2O_2S$	....	149	....	A., 165, 375	
„	„ =$(1.4)_2$	„	....	165	Jackson and White	B., 13, 1218 ; A. C. J., 2, 158	**38**, 879 ; **40**, 807
„	„ „	„	A., 165, 375	*167*	Vogt and Henninger	A. C. [4], 25, 129	**25**, 1096
„	„ = ?	„	....	185	„	A., 165, 375	
Chlorbenzyldisulphoxide....	$S_2O_2(CH_2.C_6H_4Cl)_2$=$(1.4)_2$	$C_{14}H_{12}Cl_2O_2S_2$	....	120	Jackson and White	B., 13, 1218 ; A. C. J., 2, 169	**38**, 879 ; **40**, 808
Retenedisulphonyl chloride	$C_{18}H_{16}(SO_2Cl)_2$	$C_{18}H_{16}Cl_2O_4S_2$	....	175	Ekstrand	A., 185, 91 ; B., 10, 1725	**32**, 498 ; **34**, 155
Nitrochlormethane	$CH_2Cl.NO_2$	CH_2ClO_2N	98	Mixture (?)	Preibisch	J. p. [2], 8, 309	**27**, 462
„	„	„	*122–123*	Liquid	Tscherniak	B., 8, 609	
Isuretine hydrochloride	HO.NH.CH : NH+HCl	CH_5ClON_2	....	abt. 60	Lossen and Schifferdecker	Z. C. [2], 7, 594	**25**, 500 ; vii. 708
Methylhydroxylamine +HCl	....	CH_6ClON	....	148 u.c.	Petraczek	B., 16, 827	
„ „		„	....	149	Lossen	A., 182, 225	
Trichloracetchloramide	$CCl_3.CO.NHCl$	C_2HCl_4ON	A., 60, 261	121	Steiner	B., 15, 1607	
Trichloracetamide....	$CCl_3.CO.NH_2$	$C_2H_2Cl_3ON$	240	135	....	A., 56, 286 ; 60, 261	i., 6
„	„	„	*238–239* (746)	*136*	Bisshopinck	B., 6, 734	**26**, 1129 ; vii., 4
„	„	„	....	138	Steiner	B., 15, 1607	
„ (A., 184, 23)	„	„	....	139	Beckurts and Otto	B., 14, 590	
Chlorglyoxime	HO.N : CCl.CH : N.OH	$C_2H_3ClO_2N_2$	....	151	Nageli	B., 16, 500	**44**, 728
Dichloracetamide	$CHCl_2.CO.NH_2$	$C_2H_3Cl_2ON$	*233–234* (745)	*96*	Bisshopinck	B., 6, 734	**26**, 1129 ; vii., 4
„	„	„	233	96	Geuther	J. [1864], 317	
„	„	„	A., 184, 28	96–97	Otto and Beckurts	B., 14, 1618	**40**, 1030
„	„	„	230	98	Pinner and Fuchs	B., 10, 1066	
Acetochloramide	$CH_3.CO.NHCl$	C_2H_4ClON	....	107–108	Steiner	B., 15, 1609	
„	„	„	....	*110*	Hofmann	B., 15, 410	
Chloracetamide	$CH_2Cl.CO.NH_2$	„	224–225 (743) p.d.	116	Bisshopinck	B., 6, 734	**26**, 1129 ; vii., 4
(A., 102, 110 ; 184, 30)	„	„	....	119·5	Menschutkin and Jemolojew	Z. C. [2], 7, 5	**24**, 150 ; vii., 4
Ethyleneglycol chloronitrate	$CH_2Cl.CH_2.O.NO_2$	$C_2H_4ClO_3N$	149–150	Liquid	Henry	A. C. [4], 27, 243 ; B., 3, 530	
Chloral ammonia	$CCl_3.CH(OH).NH_2$	$C_2H_4Cl_3ON$	A., 157, 114	62–64	Schiff	B., 10, 168	**32**, 308
Ethenylamidoxime+HCl	HO.N : $CMe.NH_2$+HCl	$C_2H_7ClON_2$	....	140	Nordmann	B., 17, 2747	**48**, 238
Ethylhydroxylamine+HCl	....	C_2H_8ClON	....	128	Gürke	A., 205, 273	**40**, 571
Dichlornitroallylene	....	$C_3HCl_2O_2N$	160–180	....	Pinner	B., 8, 961	
Chloralhydrocyanide	$CCl_3.CH(OH).$	$C_3H_2Cl_3ON$	begins 120 p.d. ; chief 140–145 d.	58–59	Hagemann	B., 5, 152	**25**, 494 ; vii., 310
„	„	„	....	*60–61*	Pinner & Bischoff	A., 179, 77	**29**, 554
„	„	„	*215–220* p.d.	....	Pinner and Fuchs	B., 10, 1059	**32**, 584
„	„	„	....	61–62	Wallach	B., 6, 115	**26**, 627
Trichlornitropropylene (?)	or Trichlornitropropane (?)	$C_3H_2Cl_3O_2N$	190–195	Solid	Pinner	B., 8, 960	**29**, 57
?	$CCl_3.C(OH).CO.NH$	„	....	218	Claisen and Antweiler	B., 13, 1937	
Dichlormethoxyacetonitril	$MeO.CCl_2.CN$	$C_3H_3Cl_2ON$	148–149 (732)	....	Bauer	A., 229, 163	**48**, 1120
Dichloracrylamide	$CCl_2 : CH.CO.NH_2$	„	A., 193, 25	112–113	Wallach and Hunäus	B., 10, 569	**32**, 591
Dichlornitropropylene	....	$C_3H_3Cl_2O_2N$	155–162	....	Pinner	A., 179, 55	**29**, 549
„	....	„	162	....	„	B., 8, 961	**29**, 57
Trichloracetylcarbamide	$CCl_3.CO.NH.CO.NH_2$	$C_3H_3Cl_3O_2N_2$	A., 157, 246	150 d.	Meldola and Tommasi	J. [1874], 798	**27**, 405
Nitrosochloracetone	Z.C. [1870], 529	$C_3H_4ClO_2N$	....	110	Barbaglia	B., 6, 321	**26**, 878

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Chlorallylic nitrate (B., 15, 3086; C. R., 95, 849)	$CH_2:CCl.CH_2.O.NO_2$	$C_3H_4ClO_3N$	140	Liquid	Romburgh	R. T., 1, 233; B., 16, 393	44, 450
Trichlorlactamide	$CCl_3.CH(OH).CO.NH_2$	$C_3H_4Cl_3O_2N$	....	95–96	Pinner and Fuchs	B., 10, 1061	32, 584
Trichlornitropropane	or Trichlornitropropylene (?)	,,	190–195	Solid	Pinner	A., 179, 54	29, 57
Isotrichlorglyceramide	$CCl_3.C(OH)_2.CO.NH_2$	$C_3H_4Cl_3O_3N$	B., 13, 1937	126-127	Claesen and Antweiler	J. p. [2], 20, 195	40, 153
Chloracetylcarbamide	$CH_2Cl.CO.NH.CO.NH_2$	$C_3H_5ClO_2N_2$	d. 160	....	....	J. [1873], 747	
Chlormalonamide	$CHCl(CO.NH_2)_2$	,,	d. 175	170	Conrad & Bischoff	A., 209, 231	42, 39
α-Dichlorpropionamide ...	$CH_3.CCl_2.CO.NH_2$	$C_3H_5Cl_2ON$	A., 132, 184	110	Otto	B. S. [1865], 293	iv., 729
α- ,, ...	,,	,,	....	115–116	Backunts and Otto	B., 9, 1593	31, 298
α- ,, ...	,,	,,	....	116	Klimenko	B., 3, 467	vii., 1012, 1033
α- ,, ...	,,	,,	....	116–117	Beckurts and Otto	B., 11, 388	34, 488
Glycerol dichlornitrin	$C_3H_5Cl_2(O.NO_2)$	$C_3H_5Cl_2O_3N$	180–190 p.d.	Liquid	Henry	A., 155, 168	vii., 320
Ethylic cyanate+HCl	EtO.CN+HCl	C_3H_6ClON	95	A., 109, 107	Habich and Limpricht	A., 105, 395	ii., 196
Chlorformodimethamide	$Cl.CO.NMe_2$	,,	165	Liquid	Michler and Escherich	B., 12, 1163	36, 934
α-Chlorpropionamide	$CH_3.CHCl.CO.NH_2$	,,	....	80	Backunts & Otto	B., 9, 1592	31, 298
Chlorethylic carbamate	$NH_2.COOC_2H_4Cl$	$C_3H_6ClO_2N$	....	76	Nemirowsky	J. p. [2], 31, 173	48, 741
Propyleneglycolchloronitrate	$CH_3.CHCl.CH_2.O.NO_2$ (?)	$C_3H_6ClO_3N$	157–158	....	Henry	A. C. [4], 27, 257	
Acetoxime hydrochloride	$HO.N:CMe_2+HCl$	C_3H_8ClON	....	98–101	Janny	B., 15, 2778	44, 581
Dichlormaleïmide (or fumarimide)	$C_2Cl_2:(CO)_2:NH$	$C_4HCl_2O_2N$	....	179	Ciamician & Silber	B., 16, 2393	46, 293
Tetrachlorsuccinimide	$CO.CCl_2.CCl_2.CO.NH$	$C_4HCl_4O_2N$	...	200	....	....	v., 462
Tetrachlorcyanpropionic acid	$C_2Cl_4(CN).CO_2H$	,,	....	200	....	A. C. [3], 16, 72	
Chlormaleïmide (or fumarimide)	$C_2HCl:(CO)_2:NH$	$C_4H_2ClO_2N$	....	131	Ciamician & Silber	B., 16, 2395	46, 293
Tetrachlorcyanpropionamide	$C_2Cl_4(CN).CO.NH_2$	$C_4H_2Cl_4ON_2$	....	86–87	....	A. C. [3], 16, 72	
Pentachlorethylic oxamate	$NH_2.CO.COO.C_2Cl_5$	$C_4H_2Cl_5O_3N$	a. 200	134	Malaguti	A., 37, 69; 56, 284	iv., 280
?	B., 8, 1328	$C_4H_3Cl_2O_4N$	....	154	Cech	B., 9, 1255	31, 67
Chloral+HCN+HCNO	B., 9, 1253	$C_4H_3Cl_3O_2N_2$	v. 100	80	,,	B., 8, 1175; C. R., 82, 989	29, 376; 30, 184
Trichlorcrotonamide	$C_3H_2Cl_3.CO.NH_2$	$C_4H_4Cl_3ON$	B., 3, 788	96	Judson	Z. C. [2], 7, 40	24, 233; vii., 398
Chloraldichloracetamide	$CCl_3.CH(OH).NH.CO.CHCl_2$	$C_4H_4Cl_5O_2N$	....	105	Schiff & Speciale	G. I., 9, 335	38, 103
Ethoxydichloracetonitril	$EtO.CCl_2.CN$	$C_4H_5Cl_2ON$	160–161	Liquid	Bauer	A., 229, 163	48, 1120
Chlorcrotonamide	$CH_3.C_2HCl.CO.NH_2$	C_4H_6ClON	230–240	*107*	Sarnow	B., 4, 734; A., 164, 103	24, 1047
,, ...	,,	,,	sb. 78	112	Pinner and Klein	B., 11, 1488	36, 41
?	....	$C_4H_6ClO_2N$	....	120	Stenhouse	A., 33, 92	ii., 282
....	$CH_2Cl.CH.CH_2.NH.CO.O$	,,	....	106	Thomsen	B., 11, 2136	
Erythroldichlordinitrate	$C_4H_6Cl_2(O.NO_2)_2$	$C_4H_6Cl_2O_6N_2$	....	60	Champion	C. R., 73, 114; Z. C. [1871], 349	24, 812; vii., 471
Trichloracetethylamide	$CCl_3.CO.NHEt$	$C_4H_6Cl_3ON$	229–230	74	Wallach and Kamenski	B., 13, 517; A., 214, 225	38, 547
Chloralacetamide	$CCl_3.CH(OH).NHAc$	$C_4H_6Cl_3O_2N$	....	*156*	Schiff	B., 10, 169	32, 308
,, ...	,,	,,	....	156–157	Wallach	B., 5, 255	25, 611
,, ...	,,	,,	....	158	Jacobsen	A., 157, 245	vii., 311
?	$NHEt.C_2Cl_2.OH$	$C_4H_7Cl_2ON$	....	45	Cech	B., 10, 880	32, 586
Dichloracetethylamide	$CHCl_2.CO.NHEt$	,,	225–227	57	Wallach and Kamenski	B., 13, 517; A., 214, 223	38, 547
Butyrochloralammonia	$C_3H_4Cl_3.CH(OH).NH_2$	$C_4H_8Cl_3ON$	....	62	Schiff & Tassinari	B., 10, 1784	
Ethylic amidoacetate +HCl	$NH_3Cl.CH_2.CO_2Et$	$C_4H_{10}ClO_2N$	....	137	Kraut	A., 177, 267	29, 61
,,	,,	,,	....	144	Curtius	B., 16, 754	44, 1087
Glycolylmethylguanidine +2HCl	....	$C_4H_{13}Cl_2O_3N_3$	....	b. 100	....	....	vii., 583
α-Trichlorcarbopyrrolic acid	$C_4HCl_3N.CO_2H$	$C_5H_2Cl_3O_2N$	$+H_2O$	d. 150	....	G. I., 12, 28	
Hydroxydichlorpyridine	$C_5NH_2Cl_2.OH$	$C_5H_3Cl_2ON$	....	178	Königs and Geigy	B., 17, 1835	46, 1369

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
PCl_5 on glutazin	....	$C_5H_3Cl_3ON_2$	....	282	Pechmann and Stokes	B., 18, 2291	**48**, 1202
Chloral + cyanic acid	$O.CH(CCl_3).O.C.O.$ / $CH(CCl_3).NH$	$C_5H_3Cl_6O_3N$	....	167–170 p.d.	Bischoff	B., 5, 87	**25**, 407; vii., 310
Chlor. deriv. of $C_5H_5O_2N$....	....	$C_5H_{5-x}Cl_xON$	....	144–145	Ciamician and Dennstedt	G. I., 12, 500	**44**, 313
PCl_5 on glutazin	....	$C_5H_4Cl_2O_2N_2$	....	241·5	Pechmann and Stokes	B., 18, 2290	**48**, 1202
Chloralcyanacetyl	$CCl_3.CH(OAc).CN$	$C_5H_4Cl_3O_2N$	208 d.	31	Pinner & Fuchs	B., 10, 1059	**32**, 584
Chlorcarbethamide (?)	....	$C_5H_4Cl_7O_2N_3$	260	138–140	....	B. J., 26, 759	
Dihydroxypyridine + HCl	$C_5NH_3(OH)_2 + HCl$	$C_5H_6ClO_2N$	begins d. 140	207	Königs and Geigy	B., 17, 1837	**46**, 1369
Butyrochloralhydrocyanide	$CCl_3.(CH_2)_2.CH(OH).CN$	$C_5H_6Cl_3ON$	230 d.	101–102	Pinner & Klein	B., 11, 1488	**36**, 41
"	"	"	....	101–102	Pinner and Bischoff	A., 179, 97	**29**, 556
Acetyltrichlorlactamide ...	$CCl_3.CH(OAc).CO.NH_2$	$C_5H_6Cl_3O_3N$	....	94–95	Pinner & Fuchs	B., 10, 1060	**32**, 584
Chloralcarbamide	$CO[NH.CH(OH).CCl_3]_2$	$C_5H_6Cl_6O_3N_2$	....	190	....	A., 157, 246	
Chlorimidoangelic acid ...	$Me.CCl:CH.C(NH).CONH_2$	$C_5H_7ClON_2$	....	113	Pinner & Klein	B., 11, 1494	**36**, 42
β-chlorcrotonylcarbamide	$NH_2.CO.NH.C_4H_5ClO$	"	....	216 d.	"	B., 11, 1489	**36**, 41
Dichlorpropoxyacetonitril	$PrO.CCl_2.CN$	$C_5H_7Cl_2ON$	182–184	....	Bauer	A., 229, 163	**48**, 1121
Trichlorhydroxyvaleramide	$C_4H_5Cl_3(OH).CO.NH_2$	$C_5H_8Cl_3O_2N$	....	96	Pinner & Klein	B., 11, 1491	**36**, 41
"	"	"	....	119	"	"	"
Chloralurethane	$CCl_3.CH(OH).NH.CO_2Et$	$C_5H_8Cl_3O_3N$	....	103 d.	Bischoff	B., 7, 631	**27**, 890
Dichloramylic nitrite	$C_5H_9Cl_2.O.NO$	$C_5H_9Cl_2O_2N$	90 d.	....	Guthrie	J., 11, 404	
Diethylcarbamic chloride	$NEt_2.COCl$	$C_5H_{10}ClON$	190–195	Liquid	Wallach	B., 14, 747; A., 214, 275	**40**, 719
Chloraltrimethylamine	$CCl_3.CH(OMe).NMe_2$	$C_5H_{10}Cl_3ON$	....	46–48	Meyer and Dulk	B., 4, 967	**25**, 247
Diammonium chlorcarbethamate	....	$C_5H_{12}Cl_7O_5N_3$	....	35–37	....	B. J., 26, 759	
Nitrodichlorquinone	$Cl_2.NO_2:O_2=1.3.4.5.2$	$C_6HCl_2O_4N$	....	219–220	Guareschi and Daccomo	B., 18, 1171, 1174	**48**, 891
Dinitrotrichlorbenzene	$Cl_3.(NO_2)_2=?$	$C_6HCl_3O_4N_2$	335 p.d.	103·5	Jungfleisch	A. C. [4], 15, 186; J., 21, 352	vii., 146
Trichlorquinonechlorimide	$C_6HCl_3.O.NCl$	C_6HCl_4ON	118	....	....	J. P. [2], 23, 438; 24, 429	
Nitrotetrachlorbenzene	$Cl_4.NO_2=1.3.4.5.6$	$C_6HCl_4O_2N$	....	20–22; *21–22*	Beilstein and Kurbatow	B., 9, 579; 10, 273; A., 192, 238	**30**, 294; **31**, 707
"	" =1.2.3.4.5	"	....	64·5	"	"	"
"	" = ?	"	abt. 300	75–78	Lesimple	B. S. [2], 6, 161	vi., 269
"	" =1.2.4.5.6	"	....	98	Beilstein and Kurbatow	B., 10, 272; A., 192, 236	**31**, 707
"	"	"	304 d.	*99*	Jungfleisch	J., 21, 353	vii., 147
Trinitrochlorbenzene	$Cl.(NO_2)_3=1.2.4.6$	$C_6H_2ClO_6N_3$	....	82·5–83	Austen	[3], 13, 279	**32**, 756
" (J. [1879], 394)	" "	"	A., 92, 326	*83*	Jungfleisch	J. p. [2], 1, 150	vii., 146, 909
Dinitrodichlorbenzene	$Cl_2.(NO_2)_2=1.3.(?)_2$	$C_6H_2Cl_2O_4N_2$	J. [1875], 323	103	Körner	Z. C. [1870], 375; G. I., 4, 305	**29**, 219; vii., 914
"	" =1.4.2.3 or 5	"	318 p.d.	*101*	Jungfleisch	J. [1868], 348	vii., 146
"	" "	"	....	101	Engelhardt and Latchinoff	Z. C. [1870], 234	vii., 914
" (J. [1879], 394)	" "	"	J. [1875], 325	101·5	Körner	G. I., 4, 305	**29**, 209, 219
"	" =1.4.2.6	"	312 p.d.	....	Jungfleisch	J., 21, 348	vii., 146
"	" "	"	....	104	Jourdan	B., 18, 1454	
"	" "	"	312 p.d.	*104*	Engelhardt and Latchinoff	Z. C. [1870], 234	vii., 146, 914
" (J. [1879], 394)	" "	"	J. [1875], 324	104·9	Körner	G. I. 4, 305	**29**, 209, 219
Nitrotrichlorbenzene	$Cl_3.NO_2=1.2.3.4$	$C_6H_2Cl_3O_2N$	....	55–56	Beilstein and Kurbatow	B., 9, 1688; 10, 272; 11, 1979; A., 192, 235	**31**, 474, 707; **36**, 310
" (A., 137, 123)	" =1.2.4.5	"	....	58	"	"	"
" Z. C. [1867], 122	" "	"	288	*57*	Jungfleisch	J., 21, 351	vii., 146

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrotrichlorbenzene	$Cl_3.NO_2$=1.3.5.6	$C_6H_2Cl_3O_2N$	....	68	Beilstein and Kurbatow	B, 10, 271; 11, 1980; A., 192, 233	**31**, 706; **36**, 309
„	„ =1.2.4.3	„	....	88–89	„	A., 192, 232	
„	„ =?	„	273	b. 100	Lesimple	B. S. [2], 6, 161	vi., 269
Nitrotrichlorphenol	$OH.Cl_3.NO_2$=1.2.4.6.5	$C_6H_2Cl_3O_3N$	....	69	Dacconio	B., 18, 1164, 1173	**48**, 889, 891
Dinitrochlorbenzene (δ)	$Cl.(NO_2)_2$=1.3.4	$C_6H_3ClO_4N_2$	....	Liquid	Laubenheimer	B., 9, 765	**30**, 294
„ (α)	„ „	„	B., 15, 597	36·3	„	B., 9, 762	**30**, 294
„ (β)	„ „	„	„	37·1	„	B., 9, 763	**42**, 953
„ (γ)	„ „	„	„	38·8	„	„	**30**, 294
....	„ „	„	....	38–39	„	B., 8, 1623	**29**, 577
„	„ „	„	....	38	Beilstein and Kurbatow	B., 11, 2057	**36**, 231
„ (J. [1877], 425)	„ =1.2.6 (?)	„	315 (762)	43	Jungfleisch	J. [1868], 346	vii., 145
„	„ =1.2.4	„	....	50	Engelhardt and Latchinoff	B., 3, 98; Z. C. [1870], 232, 274	vii., 908
„	„ „	„	315 p.d.	*50*	Jungfleisch	J. [1868], 345	vii., 145
„	„ „	„	....	50	Beilstein and Kurbatow	B., 11, 1939, 2056	**36**, 144, 230
„	„ „	„	....	53	„	B., 10, 1992	**34**, 139
„ (J. [1877], 425)	„ „	„	....	53·4	Körner	G. I., 4, 305	**29**, 211
Dinitrochlorphenol	$OH.Cl.(NO_2)_2$=1.4.5.6	$C_6H_3ClO_5N_2$	....	69	Petersen	A., 157, 165	**24**, 250
„	„ „	„	....	*70*	Engelhardt and Latchinoff	Z. C. [2], 6, 234	**24**, 247; vii., 146, 914
„	„ =1.4.2.6	„	....	79–80	Smith and Pierce	B., 13, 35	**38**, 392
....	„ „	„	....	80	Engelhardt	Z. C. [2], 6, 234	vii., 146
„	„ „	„	J. [1879], 512	80·5	Armstrong	B., 6, 649	**25**, 93; **28**, 520; **29**, 476
„ (Z. C. [1867], 207)	„ „	„	J. [1875], 339	80·5; 81	Armstrong and others	25, 865	**27**, 804
„ (Z. C. [1866], 705)	„ „	„	....	81	Dubois	B., 6, 369	vii., 914
„	„ „	„	....	*81*	Petersen and Predari	A., 157, 156	**24**, 242; vii., 919–929
„	„ „	„	....	81	Faust and Saame	As., 7, 195	vii., 912
„	„ „	„	....	81	Faust	B., 6, 135	**26**, 635
„	„ „	„	....	81	Post	B., 7, 335	
„	„ =1.2.4.3 or 5	„	....	*80–81*	Petersen	A., 157, 161	**24**, 249
„	„ „	„	....	81	Müller	A. P. [3], 3, 103	**27**, 159
„	„ =1.4.(?)$_2$	„	....	87	Armstrong	....	**28**, 364
„	„ =1.3.2.4 (?)	„	....	103	Griess	A., 109, 286	iv., 400
„	„ „	„	....	103	Stenhouse	[2], 5, 435	vi., 914; **28**, 364
„	„ „	„	....	*103*	Petersen	A., 157, 171	**24**, 251
„	„ „	„	....	103	Armstrong	....	**25**, 16
„	„ =1.2.4.6	„	....	110	Post	B., 7, 335	**27**, 800
„ (Z. C. [1871], 591)	„ „	„	....	*110–111*	Armstrong	24, 1113, 1120; 25, 13, 15; 26, 66; 28, 364	vii., 909, 920, 923
„	„ „	„	....	110–111	Armstrong and Brown	....	**25**, 864, 865
„	„ „	„	....	111	Armstrong and Prevost	B., 7, 405	**27**, 804
„	„ „	„	....	110–111	Faust	B., 6, 133	**26**, 635
„	„ „	„	....	111	Faust and Saame	Z. C. [2], 5, 451; As., 7, 196	**24**, 246; **26**, 1132; vi., 914
„	„ „	„	....	111	Müller	A. P. [3], 3, 103	**27**, 157, 158
„ (Z. C. [1871], 339)	„ „	„	....	111	Faust and Müller	A., 173, 312; B., 5, 779	**26**, 66; **28**, 156
„ (A., 109, 286)	„ „	„	B., 6, 369	111	Petersen	A., 157, 171	**24**, 250
„	„ =?	„	....	114	„	A., 157, 171, 182	**25**, 95, 864
„	„ „	„	....	114	Petersen and Predari	A., 157, 161	**24**, 244, 250; vii., 914

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrochlorphenol	$OH.Cl.(NO_2)_2$= ?	$C_6H_3ClO_5N_2$	....	114	Faust	A., 173, 318	**28**, 364
„	„ „	„	....	114	Peters	A., 176, 186	**28**, 762
Nitrodichlorbenzene	$Cl_2.NO_2$=1.3.4	$C_6H_3Cl_2O_2N$	J.[1875],323	32·2	Körner	G. I., 4, 305	**29**, 219
„ (A., 182, 97)	„ „	„	....	*33*	Beilstein & Kurbatow	B., 7, 1760; 8, 693; 9, 634	**28**, 451, 1037; **30**, 309, 631
„	„ =1.2.4	„	....	43	....	A., 176, 41	
„ (A., 182, 94)	„ „	„	....	*43*	Beilstein & Kurbatow	B., 7, 1759; 9, 580, 1688; 11, 1861, 1978	**28**, 450; **30**, 294, 631; **31**, 474; **36**, 143, 310
„	„ =1.4.6	„	*266*	*54·5*	Jungfleisch	J. [1868], 348	vii., 145
„	„ „	„	....	54·5	Laubenheimer	B., 7, 1601; 8, 224	**28**, 648, 759
„ (J. [1875], 324)	„ „	„	....	54·6	Körner	G. I., 4, 305	**29**, 209, 219
„	„ „	„	....	54·5	Jourdan	B., 18, 1454	....
„	„ „	„	....	54·5	Beilstein & Kurbatow	B., 7, 1761; B., 11, 2056	**28**, 451; **36**, 231
„ (B., 10, 1993)	„ „	„	....	55	„	A., 182, 103	**30**, 631; **34**, 139
„ (J. [1877], 424)	„ „	„	....	55	Lesimple	B. S. [2], 4, 226	vi., 269
„ (B., 8, 143)	„ =1.3.5	„	abt. 240 p.d.	47·5 (?)	Witt	B., 7, 1604	**28**, 759
„ (J. [1875], 323)	„ „	„	....	*65·4*	Körner	G. I., 4, 305	**29**, 220
„	„ „	„	....	65	Witt	B., 8, 144	....
„	„ =1.3.2	„	....	*71*	Beilstein & Kurbatow	B. S. [2], 30, 25; B., 11, 1861	**34**, 974; **36**, 143
Dichlorpyridine carboxylic acid	$N.Cl_2.CO_2H$= ?	„	....	180 d.	Ost	J. p. [2], 27, 282	**44**, 794
„ „	„ =1.(?)$_2$.4	„	....	210	Behrmann and Hofmann	B., 17, 2695	**48**, 139
Nitrodichlorphenol	$OH.Cl_2.NO_2$=1.2.3.4	$C_6H_3Cl_2O_3N$	....	95	Armstrong	....	**25**, 96
„ (Z. C. [1871], 679)	„ „	„	....	*95*	Petersen	A., 157, 171	**24**, 251
„ (id. with 1.2.4.6)	„ = ?	„	....	106	„	A., 157, 163; B., 6, 370	**25**, 95; **26**, 1132; vii., 913
„ „	„ „	„	....	106	Petersen & Predari	A., 157, 154	**24**, 244; **28**, 364
„ (B., 2, 52)	„ =1.2.4.6	„	....	121; 121·5	Armstrong	[2], 10, 93	vii., 921; **26**, 66
„ (Z. C. [1871], 520, 678)	„ „	„	....	121; 121·5	Armstrong and Brown	25, 865, 872	vii., 923
„	„ „	„	....	121	Armstrong and Prevost	B., 7, 405	**27**, 804
„	„ „	„	....	121	Armstrong and Harrow	....	**29**, 476
„	„ „	„	....	121	Post	B., 7, 334	**27**, 800
„	„ „	„	....	121·5	Faust	Z. C. [2], 7, 338	**25**, 62
„	„ „	„	....	121–122	Fischer	Z. C. [2], 4, 386	**26**, 1132; vii., 913
„	„ „	„	....	*121–122*	Armstrong	24, 1119, 1120	vii., 912
„	„ „	„	....	121–122	Petersen	A., 157, 164	**24**, 251
„	„ „	„	....	122	„	B., 6, 370	....
„	„ „	„	....	122	Faust and Saame	A., 130, 195	**24**, 246
„ (As., 7, 185, 195)	„ „	„	....	125 d.	Seifert	Z. C. [2], 5, 449	vi., 913; **25**, 62
„	„ =1.(?)$_2$.3	„	....	121–122	Müller	A. P. [3], 3, 103	**27**, 159
„	„ „	„	....	122	Faust and Müller	A., 173, 303	**28**, 156
„	„ „	„	....	122	Armstrong	....	**28**, 364
„	„ =1.2.6.4	„	....	125	„	24, 1112, 1116	vii., 912, 929
„	„ „	„	....	125	Seifert	As., 7, 198	**24**, 246
„ (Z. C. [1871], 518)	„ „	„	....	*125*	Armstrong and Brown	B., 7, 926	**25**, 865
„	„ „	„	....	125	Post	B., 7, 332	**27**, 800
„	„ „	„	....	125	Faust	B., 6, 132	**26**, 635
„	„ =1.2.3 or 5. ?	„	....	125	Müller	A. P. [3], 3, 103	**27**, 159
Dichlor-α-hydroxypicolinic acid	$C_5NHCl_2(OH).CO_2H$	„	....	282 d.	Ost	J. p. [2], 27, 288	**44**, 795

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrodichloraniline	$NH_2.Cl_2.(NO_2)_2$=1.3.4.2(?).6	$C_6H_3Cl_2O_4N_3$	....	127–128	Beilstein and Kurbatow	B., 11, 1979; A., 196, 227	**36**, 310
Nitrotrichloraniline	$NH_2.Cl_3.NO_2$=1.3.4.6.2	$C_6H_3Cl_3O_2N_2$	A., 196, 235	124	"	B., 11, 1980	"
"	" =1.(?)$_3$.3	"	A., 215, 110	98	Langer	B., 15, 1063	
Quinonechlorimide ...	$O.C_6H_4.NCl$=1.4	C_6H_4ClON	....	84·7–85	Hirsch	B., 13, 1903	**40**, 164
"	" "	"	d. 110–115	87–88	"	B., 18, 1514	**48**, 892
" ...	....	"	....	?	Schmitt	J. p. [2], 19, 316	
Nitrochlorbenzene....	$Cl.NO_2$=1.2	$C_6H_4ClO_2N$	243	s. 15	Sokoloff	J., 19, 552	
" (Z. C. [1866], 621; [1870], 231)	" "	"	243	15	Jungfleisch	J. [1868], 344	**28**, 363
" (B.S. [2], 30, 25)	" "	"	*243*	*32·5*	Beilstein and Kurbatow	B., 9, 635; A., 182, 107	**30**, 309, 632; **34**, 974
" (*a*)	" =1.3	"	abt. 230	23·7	Laubenheimer	B., 9, 766	**30**, 295
" (*β*)	" "	"	....	44·2	"	"	**vii.**, 138
"	" "	"	227; *235·6 c.* (740·7)	44·2; *44·4 c.*	"	B., 8, 1622	**29**, 577
" (J. [1863], 424)	" "	"	....	45	"	B., 7, 1765	**28**, 452
" (J. [1866], 457)	" "	"	....	45	Griess	[2], 5, 857	**vi.**, 921
" (B., 13, 1071)	" "	"	....	46	Richter	B., 4, 463	**24**, 688
" (B., 8, 1417)	" "	"	233	46	Beilstein and Kurbatow	B., 7, 1398, 1761; A., 182, 102	**28**, 364, 451; **30**, 631
" (J. [1875], 317)	" "	"	....	47·9	Körner	G. I., 4, 305	**29**, 215
" (J. [1868], 343)	" =1.4	"	....	75	Glutz	A., 143, 181	**vi.**, 274
"	" "	"	....	78	Riche	A., 121, 358	**iv.**, 416
"	" "	"	....	82	Engelhardt and Latchinoff	Z. C., 13, 231	**vii.**, 907
" (J. [1866], 457)	" "	"	....	83	Griess	[2], 5, 857	**vi.**, 921
"	" "	"	*242 (761)*	*83*	Jungfleisch	A. C. [4], 15, 222	**vii.**, 138, 144
"	" "	"	....	83	Laubenheimer	B., 9, 1827	**31**, 594
"	" "	"	....	83	Hofmann and Geyger	B., 5, 916	**26**, 168
"	" "	"	....	83	Beilstein and Kurbatow	A., 182, 105; B., 7, 1396	**28**, 362; **30**, 631
"	" "	"	....	83	Willgerodt	B., 15, 1003	
"	" "	"	....	80·3; 83·3	Körner	G. I., 4, 305	**29**, 220, 221
"	" "	"	....	84	Richter	B., 4, 463	**24**, 688
Chlorpicolinic acid	$N.Cl.CO_2H$=?	"	sb. 100	168	Ost	J. p. [2], 27, 284	**44**, 794
Chlornicotic acid	" =1.2.5	"	....	199 d.	Pechmann and Welsh	B., 17, 2392	**47**, 151; **48**, 175
Nitrochlorphenol	$OH.Cl.NO_2$=?	$C_6H_4ClO_3N$	....	Liquid	Beilstein and Kurbatow	B., 7, 488	**27**, 806
"	" =1.3.6	"	....	*38·9*; a.f. 32·7	Laubenheimer	B., 9, 769, 1826	**30**, 295; **31**, 594
"	" "	"	....	38·9; a.f. 32·7	Uhlemann	B., 11, 1162	**34**, 978
"	" =?	"	....	43	Beilstein and Kurbatow	B., 7, 488	**27**, 806
"	" =1.2.6	"	....	*70*	Faust and Müller	B., 5, 778; A., 173, 307	**26**, 65; **28**, 156; **vii.**, 906-929
"	" "	"	....	70	Müller	A. P. [3], 3, 103	**27**, 158
"	" "	"	....	70	Faust	B., 6, 133	**26**, 634
"	" "	"	....	70	Post	B., 7, 333	**27**, 800
"	" =1.4.6	"	....	86	Petersen	A., 157, 171	**24**, 249
"	" "	"	....	86–87	Müller	A. P. [3], 3, 103	**27**, 159
"	" "	"	....	86	Post	B., 7, 333	**27**, 800
"	" "	"	....	86	Laubenheimer	B., 7, 1601	**28**, 760
"	" "	"	....	86·5; 87	Beilstein and Kurbatow	B., 7, 487, 1396	**27**, 806; **28**, 363; **vii.**, 905
" (J. [1879], 512)	" "	"	....	86·5	Armstrong and Brown	....	**25**, 865
"	" "	"	....	*86–87*	Faust and Saame	Z. C. [2], 5, 450; As., 7, 190	**24**, 244; **vi.**, 912; **vii.**, 912
"	" "	"	....	86–87	Faust	B., 6, 135	**26**, 635

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrochlorphenol	$OH.Cl.NO_2$=1.4.6	$C_6H_4ClO_3N$	....	86–87	Faust and Müller	A., 173, 317	vii., 929
„	„ =1.2.4	„	....	109	Armstrong and Brown	....	**25**, 865
„	„ „	„	....	109–110	Armstrong	....	**25**, 14
„	„ „	„	....	110	Faust	B., 6, 133	**26**, 635
„	„ „	„	....	110	Post	B., 7, 333	**27**, 800
„	„ „	„	....	110–111	Müller	A. P. [3], 3, 103	**27**, 158
„	„ „	„	....	*111*	Faust	Z.C.[2], 7, 339, 591	**25**, 63
„	„ „	„	....	111	Faust and Müller	A., 173, 309	vii., 906, 929
Chlor-γ-hydroxypicolinic acid	$N.CO_2H.OH.Cl$=1.2.(?)$_2$	„	....	224	Bellmann	J. p. [2], 29, 1	**46**, 840, 841
Chlor-β-hydroxypicolinic acid	„ „	„	....	257 d.	Ost	J. p. [2], 27, 290	**44**, 795
Dinitrochloraniline	$NH_2.Cl.(NO_2)_2$=1.4.2.6	$C_6H_4ClO_4N_3$	J. [1875], 352	144·7	Körner	G. I., 4, 305	**29**, 230
Dichlorhydroxymethylpurin	$C_5N_4MeCl_2.OH$	$C_6H_4Cl_2ON_4$	....	274	Fischer	B., 17, 331	**46**, 996
Nitrodichloraniline	$NH_2.Cl_2.NO_2$=1.2.5.6	$C_6H_4Cl_2O_2N_2$	J. [1875], 352	66·4	Körner	G. I., 4, 305	**29**, 209
„	„ „	„	....	*67–68*	Beilstein and Kurbatow	B., 11, 1978; A., 196, 222	**36**, 309
„ (A., 196, 228)	„ =1.3.5.6	„	....	79	„	B. S. [2], 30, 25; B., 11, 1979	**34**, 974; **36**, 310
„ (A., 196, 226)	„ =1.4.5.6	„	....	95–96	„	B., 11, 1979	**36**, 310
„ (A., 215, 111)	„ =1.2.4.6	„	....	99	Langer	B., 15, 1064	
„	„ „	„	....	100	Witt	B., 7, 1603	**28**, 759
„	„ „	„	....	100	„	B., 8, 820	**29**, 935
„	„ „	„	....	*100*	Beilstein and Kurbatow	B., 11, 1979; A., 196, 230	**36**, 310
„	„ =1.2.5.4	„	....	153	„	„	**36**, 309
„ (B., 9, 1688)	„ =1.2.3.6	„	....	162–163	„	„	**31**, 474; **36**, 310
„	„ =1.3.5.4	„	....	*170–171*	„	B. S. [2], 30, 25; B., 11, 1979	**34**, 974; **36**, 310
„	„ „	„	....	175	„	A., 196, 228	
„	„ =1.3.4.6	„	....	171	„	B., 9, 580	**30**, 294
„ (A., 196, 226)	„ „	„	....	175	„	B., 11, 1978	**36**, 309
„ (A., 196, 230)	„ =1.2.6.4	„	....	188	„	B., 11, 1979	
„	„ „	„	....	188	Witt	B., 7, 1604; B., 8, 144	**36**, 310
Amidotrichlorphenol	$OH.Cl_3.NH_2$=1.2.4.6.3	$C_6H_4Cl_3ON$	....	95	Daccomo	B., 18, 1166	**48**, 890
„	„ =1.(?)$_3$.4	„	....	159	....	J. p. [2], 23, 438; 24, 426	
„	„ =?.1.2.3.?	„	....	?	Hirsch	B., 13, 1908	
Nitrochloraniline	$NH_2.Cl.NO_2$=?	$C_6H_5ClO_2N_2$	....	89	Jungfleisch	A. C. [4], 15, 186	vii., 145
„	„ =1.2.4	„	....	104–105	Beilstein and Kurbatow	A., 182, 108	**30**, 632
„	„ =1.4.6	„	....	113·5	Laubenheimer and Körner	B., 8, 225; J. [1875], 351	**28**, 648
„	„ „	„	....	*115*	Beilstein and Kurbatow	B., 7, 1761; 9, 633; A., 182, 99	**28**, 451; **30**, 308, 631
„ (J. [1875], 351)	„ „	„	....	116·4	Körner	G. I., 4, 305	**29**, 209, 219
„	„ =1.2.5	„	....	117—118	Beilstein & Kurbatow	B., 8, 693; 9, 633; A., 182, 101	**28**, 1037; **30**, 308, 631
„	„ =1.3.6	„	....	123·5 u.c.	Laubenheimer	B., 9, 1827	**31**, 594
„	„ „	„	....	123–124	„	B., 11, 1158	**34**, 976
„	„ „	„	....	123·2	Körner	G. I., 4, 305	**29**, 220
„	„ „	„	....	123·5	Uhlemann	B., 11, 1162	**34**, 978
„	„ „	„	....	*124–125*	Beilstein & Kurbatow	A., 182, 105; B., 8, 693; 9, 634	**28**, 1037; **30**, 309, 631
„	„ =1.3.4	„	....	156–157	„	„	**30**, 309, 632
Nitroamidochlorphenol	$OH.Cl.NH_2.NO_2$=1.2.6.4	$C_6H_5ClO_3N_2$	....	140	Armstrong	25, 14	vii., 914, 929
„ (Z.C. [1871], 339)	„ „	„	....	158; 160	„	....	**25**, 97

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitroamidochlorphenol (A., 173, 315)	$OH.Cl.NH_2.NO_2$=1.2.6.4	$C_6H_6ClO_3N_2$	....	*160*	Griess	A., 109, 291	iv., 407
"	" "	"	....	160	Armstrong		
Amidodichlorphenol	$OH.Cl_2.NH_2$=1.2.6.4	$C_6H_5Cl_2ON$	....	165–166	Siefert	As., 7, 202	vi., 913
"	" =1.2.4.6	"	....	?	"	As., 7, 189	
"	" =1.(?)$_2$.4	"	....	175	Jæger	B., 8, 896	28, 1260
Nitrodiamidochlorbenzene	$Cl.(NH_2)_2.NO_2$=1.3.5.4	$C_6H_6ClO_2N_3$	....	192–194	....	A., 192, 233	
Amidodichlorphenol+HCl	$OH.Cl_2.NH_3Cl$=1.2.6.4 or 4.6	$C_6H_6Cl_3ON$	....	b. 230	Siefert	As., 7, 202	vi., 914
Amidophenol+HCl	$OH.NH_3Cl$=4th	C_6H_8ClON	mixture ?	w.m. 230 p.d.	Fittica	B., 13, 1536	40, 47
Tetrahydrochlorpicolinic acid	$C_6NH_7Cl.CO_2H$	$C_6H_8ClO_2N$	....	265–270 d.	Ost	J. p. [2], 27, 283	44, 794
Acetylepichlorhydrin	$CH_2Cl.\underbrace{CH.CH_2.NAc.CO_2}$	$C_6H_8ClO_3N$	....	79	Thomsen	B., 11, 2137	36, 217
Ethylic chlormaleamate	$NH_2.CO.C_2HCl.CO_2Et$	"	....	102 u.c.	Claus & Voeller	B., 14, 151	40, 254
Nitrate of chloroxy-base....	$C_6H_7ClON_2+HNO_3$	$C_6H_8ClO_4N_3$	....	133	Keller	J. p. [2], 31, 363	48, 961
Tetranitrodichlordulcitol	$C_6H_8Cl_2(O.NO_2)_4$	$C_6H_8Cl_2O_{12}N_4$	....	108	....	A. C. [4], 27, 192	
Tetranitrodichlormannitol	"	"	....	145	Borchardat	B. S. [2], 19, 199; A. C. [5], 6, 126	26, 747; vii., 774
Crotonic-chloralacetamide	$CCl_3.C_2H_2.CH(OH).NHAc$	$C_6H_8Cl_3O_2N$	....	170	Pinner	A., 179, 21	29, 549
Chloraldiacetamide	$CCl_3.CH(OAc).NHAc$	$C_6H_8Cl_3O_3N$	....	117–118	Schiff	B., 10, 170	32, 308
Dichlorisobutoxyacetonitril	$Bu^{\beta}O.CCl_2.CN$	$C_6H_9Cl_2ON$	195–197	Liquid	Bauer	A., 229, 163	48, 1121
Chlordiethoxyacetonitril	$(EtO)_2.CCl.CN$	$C_6H_{10}ClO_2N$	159·5–161·5	....	"	"	"
Butyrochloralacetamide	$CCl_3.C_2H_4.CH(OH).NHAc$	$C_6H_{10}Cl_3O_2N$	A., 179, 40	158	Schiff & Tassinari	B., 10, 1785	
Ethylic dichlorethoxamate	$NHEt.CCl_2.CO_2Et$	$C_6H_{11}Cl_2O_2N$	....	50+	Wallach	A., 184, 76	32, 187
Nitrotrichlorbenzoic acid....	$CO_2H.Cl_3.NO_2$=1.2.4.6.3	$C_7H_2Cl_3O_4N$	....	220	Beilstein	A., 152, 239	
Nitrochlorbenzonitril	$CN.Cl.NO_2$=1.2.3 or 5	$C_7H_3ClO_2N_2$	....	105–106	Henry	B., 2, 493	
Dinitrochlorbenzoic acid	$CO_2H.Cl.(NO_2)_2$=1.2.3.5	$C_7H_3ClO_6N_2$	....	238	Wilkens & Rack	A., 222, 166	46, 602
Dinitrochlorsalicylic acid....	$CO_2H.OH.Cl.(NO_2)_2$ =1.2.5.(?)$_2$	$C_7H_3ClO_7N_2$	....	78	Hasse	B., 10, 2191	34, 416
β-Pyridinedicarboxyl chloride	$N.(CO.Cl)_2$= ?	$C_7H_3Cl_2O_2N$	269–270	49	Ramsay	P. M. [5], 6, 24; J. [1878], 439	36, 267
a- " "	" =1.2.6	"	284	60·5	Epstein	B., 18, 1746	
a- " " (J. [1877], 437)	" "	"	284	*60·5–61*	Ramsay	P. M. [5], 4, 244	"
γ-Pyridinedicarboxyl chloride (J. [1878], 439)	" = ?	"	265	88–89	"	P. M. [5], 621	"
Nitrodichlorbenzaldehyde	$COH.Cl_2.NO_2$=1.2.4(?).6	$C_7H_3Cl_2O_3N$	....	136–138	Gnehm	B., 17, 753	46, 1028
Dinitrotrichlortoluene ..	$Me.Cl_3.(NO_2)_2$=1.2.3.4.5.6	$C_7H_3Cl_3O_4N_2$	....	141	Seelig	B., 18, 422	48, 770
" ...	" =1.2.4.5.3.6	"	....	225	Schultz	A., 187, 280	
"	" "	"	....	*227*	Seelig	B., 18, 422	48, 770
Nitrobenzoyl chloride	$COCl.NO_2$=1.2	$C_7H_4ClO_3N$	....	s.f.m.	Claisen and Shadwell	B., 12, 351	
" "	" =1.3	"	265–268	Liquid	Cahours	A. C. [3], 23, 339	i., 568
" "	" "	"	....	29	Richardson	B., 12, 351	
" "	" "	"	184 (50–55)	33	Claisen and Thompson	B., 12, 1943	38, 253
" " ...	" "	"	*275–278 p.d.*	*35*	McHugh	B., 7, 1268	28, 270
Nitrochlorbenzaldehyde	$COH.Cl.NO_2$=1.3.2 or 4	"	....	60	Müller	D. P., 255, 356	48, 850
Nitrochlorbenzoic acid	$CO_2H.Cl.NO_2$=?	$C_7H_4ClO_4N$	....	118	Limpricht and Uslar	A., 102, 261	i., 557
" "	" =1.3.6 or 2	"	....	136	Hübner	Z. C. [2], 2, 614	vi., 316
" "	" "	"	....	136	Hübner & Weiss	B., 6, 175	
" "	" =1.3.4	"	....	136-137	....	A., 185, 275	
" "	" "	"	....	137	Hübner	A., 222, 67	46, 315
" "	" =1.3.5	"	....	147	"	B., 10, 1703; A., 222, 67	34, 148; 46, 315
" "	" =1.2.3 or 5	"	....	164–165	"	Z. C. [2], 2, 614	vi., 316
" "	" =1.4.5	"	....	*178–180*	"	Z. C. [2], 2, 615	"
" " ...	" "	"	....	179–180	Hübner & Raveill	A., 222, 166	46, 601
" "	" =?	"	....	205	Otto	A., 122, 129	iv., 60
" "	" =1.3.2 or 6	"	....	225–230	Hübner	Z. C. [2], 2, 614	vi., 316

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrochlorbenzoic acid	$CO_2H.Cl.NO_2$=1.3.2 or 6	$C_7H_4ClO_4N$	....	235	Hübner	A., 222, 67	**46**, 315
Nitrochlorsalicylic acid	$CO_2H.OH.Cl.NO_2$=1.2.5 (?)	$C_7H_4ClO_5N$	....	162–163	Smith and Pierce	B., 13, 35	**38**, 392
" "	" =?	"	....	151	Rogers	I. D., Göttingen, 1875	
Trichlorbenzamide	$(CO.NH_2).Cl_3$=1.2.4.6	$C_7H_4Cl_3ON$	....	167·5	Beilstein and Kuhlberg	A., 152, 238	**vi.**, 313
"	" =1.3.4.5	"	....	176	Salkowski	A., 163, 32	**25**, 715 ; **vii.**, 130, 164
Nitrotrichlortoluene	$Me.Cl_3.NO_2$=1.2.3.4.?	$C_7H_4Cl_3O_2N$	....	58	Schultz	A., 187, 277	
"	" "	"	....	*60*	Seelig	B., 18, 422	**48**, 770
"	" =1.2.4.5.?	"	....	88·5	Beilstein	A., 152, 240	
"	" "	"	....	*92*	Seelig	B., 18, 422	**48**, 770
Amidotrichlorbenzoic acid	$CO_2H.Cl_3.NH_2$=1.2.4.6.3	"	....	210	Beilstein	A., 152, 240	
Trichloralhydrocyanide	$3(CCl_3.CHO)+HCN$	$C_7H_4Cl_9O_3N$	A., 173, 297	123	Cech	B., 9, 1020	
Nitrochlorsalicylamide	$(CO.NH_2).OH.Cl.NO_2$ =1.2.5.?	$C_7H_5ClO_4N_2$	....	192	Smith	B., 11, 1227	
"	" "	"	....	*199*	Smith and Pierce	B., 13, 35	**38**, 392
Dinitrochlormethoxybenzene	$OMe.Cl.(NO_2)_2$=1.4.2.3	$C_7H_5ClO_5N_2$	J. [1875], 339	65·4	Körner	G. I., 4, 305	**29**, 230
Dichlorbenzamide....	$(CO.NH_2).Cl_2$=1.3.4	$C_7H_5Cl_2ON$	....	133	Beilstein	A., 152, 228	**vi.**, 312
"	" =1.2 4 (?)	"	....	155	"	A., 179, 290 ; B., 8, 815	**28**, 1194 ; **29** 587
"	" =1.2.6	"	....	166	Schultz	A., 187, 273	**32**, 782
Amidodichlorbenzaldehyde	$COH.Cl_2.NH_2$=1.(?)$_2$.2	"	....	77–78	Gnehm	B., 17, 754	**46**, 1028
Nitrobenzylidene dichloride	$C_6H_4.NO_2.CHCl_2$=1.4	$C_7H_5Cl_2O_2N$	....	46	Zimmermann and Müller	B., 18, 997	**48**, 771
" "	" =1.3	"	....	65	Widmann	B., 13, 676	**38**, 635
Nitrodichlortoluene	$Me.Cl_2.NO_2$=	"	274 p.d.	s.—14	Wroblewsky	A., 168, 212 ; Z. C. [2], 6, 164	**27**, 56 ; **vii.**, 1167
Dichlorsalicylamide	$(CO.NH_2).OH.Cl_2$=1.2.3.5	"	....	209	Smith	B., 11, 1226	
Amidonitrotrichlortoluene	$Me.Cl_3.NH_2.NO_2$=1.2.4.5.(?)$_2$	$C_7H_5Cl_3O_2N_2$	....	191	Seelig	B., 18, 423	**48**, 770
"	" =1.2.3.4.(?)$_2$	"	....	192	"	"	"
?	....	$C_7H_5Cl_8O_2N$	d.	123–124	Wallach	B., 6, 118	**26**, 627 ; **vii.**, 310
Phenylic cyanate hydrochloride	$PhO.CN+HCl$	C_7H_6ClON	....	45	Hentschel	B., 18, 1178	**48**, 888
Chlorbenzamide	$(CO.NH_2).Cl$=1.3	"	....	122	Limpricht and Uslar	A., 102, 263	**i.**, 540
"	" =1.2	"	....	139	Kekulé	A., 117, 154	**vi.**, 258
"	" =1.4	"	....	170	Emmerling	B., 8, 882	**28**, 1261
Nitrobenzyl chloride	$C_6H_4.NO_2.CH_2Cl$=1.3	$C_7H_6ClO_2N$	....	45–47	Gabriel and Borgmann	B., 16, 2064	**44**, 1121
" " (B., 17, 1073)	" =1.2	"	B., 8, 1102	49	Geigy & Königs	B., 18, 2402	**48**, 1004
" "	" =1.4	"	....	71	Wachendorff	B., 8, 1102	
" "	" "	"	....	*71*	Beilstein and Geitner	A., 139, 337	**vi.**, 285
" "	" "	"	....	71·5	Mohr	A., 221, 215	**46**, 69
" "	" "	"	....	72	Strakosch	B., 6, 1059	
" " (A., 185, 271)	" "	"	....	73	Grimaux	B. S. [2], 8, 433	**vi.**, 285
Nitrochlortoluene	$Me.Cl.NO_2$=1.4.?	"	243	Liquid—13	Wroblewsky	A., 168, 203 ; Z. C. [2], 6, 683	**27**, 55 ; **vii.**, 1105
"	" "	"	253	Liquid—13	"	"	"
"	" =1.3.?	"	249	Liquid—20	"	B., 7, 1062	
"	" =1.4.5	"	....	8–9	Engelbrecht	B., 7, 797	**27**, 986
"	" =1.4.6	"	....	34–35	"	"	"
"	" "	"	....	*38*	Beilstein	A., 158, 336	**24**, 680
" (A., 185, 273)	" =1.3.4	"	....	64–65	Wachendorff	B., 9, 1346	**31**, 207
Amidochlorbenzoic acid	$CO_2H.Cl.NH_2$=1.3.2 or 6	"	....	145–148	Cunze & Hübner	A., 135, 111	**vi.**, 318
" "	" "	"	....	*148*	Hübner & Weiss	B., 6, 175	26, 747
" "	" =1.2.3 or 5	"	....	212	....	A., 147, 264	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Amidochlorbenzoic acid	$CO_2H.Cl.NH_2$=1.4.5	$C_7H_6ClO_2N$	....	212	....	A., 147, 258	
,, ,, ...	,, =1.3.5	,,	....	215–216	Hübner	B., 10, 1703	34, 148
,, ,, ...	,, ,,	,,	....	216	,,	A., 222, 67	46, 315
Chlorsalicylamide	$(CO.NH_2).OH.Cl$=1.2.5	,,	....	222–223	Smith	B., 11, 1227	
Nitrochlormethoxybenzene	$OMe.Cl.NO_2$=1.3.6	$C_7H_6ClO_3N$	....	70·5	Uhlemann	B., 11, 1162	34, 978
,, (J. [1866], 459)	,, =1.2.?	,,	....	93–94	Fischli	B., 11, 1463	34, 866
Dichloroxydimethylpurin	$C_5N_4Me_2OCl_2$	$C_7H_6Cl_2ON_4$	....	183	Fischer	B., 17, 334	46, 996
Amidodichlormethoxy-benzene	$OMe.Cl_2.NH_2$=1.(?)$_2$.4	$C_7H_7Cl_2ON$	....	71·5	Jaeger	B., 8, 897	28, 1260
Dichlorethoxypyridine	$C_5NH_2Cl_2.OEt$	,,	....	31	Königs & Geigy	B., 17, 1835	46, 1369
?	$C_5H_2Cl_3N_2.OEt$	$C_7H_7Cl_3ON_2$	....	83	Pechmann and Stokes	B., 18, 2292	48, 1202
Amidochlormethoxybenzene	$OMe.Cl.NH_2$=1.?.2	C_7H_8ClON	260	52	Herold	B., 15, 1685	42, 1287
Pyridinebetaïne+HCl	$C_5H_5N.CH_2.CO.O$+HCl	$C_7H_8ClO_2N$	sf. 190	202–205 d.	Gerichten	B., 15, 1252	42, 1110
Butyrochloralcyanacetyl	$CCl_3.C_2H_4.CH(OAc).CN$	$C_7H_8Cl_3O_2N$	240–252 p.d.	Liquid	Pinner & Klein	B., 11, 1490	36, 41
Benzenylamidoxime +HCl	$Ph.C(:NOH).NH_2$+HCl	$C_7H_9ClON_2$	....	185	Falck	B., 18, 2467	48, 1217
Nitrotoluidine+HCl	$Me.NH_3Cl.NO_2$=1.4.6	$C_7H_9ClO_2N_2$	....	220 d.	Beilstein	Z. C. [2], 5, 280	vi., 1105
Chlortoluidine nitrate	$Me.Cl.(NH_3NO_3)$=1.4.?	$C_7H_9ClO_3N_2$	....	165 d.	Wroblewsky	A., 168, 147	27, 55
,, ,, ...	,, ,,	,,	....	169 d.	,,	Z. C. [2], 6, 683	vi., 1105
,, ,, ...	,, =1.4.?	,,	....	179 d.	,,	A., 168, 147	27, 55
,, ,, ...	,, =1.3.4	,,	....	189	,,	,,	27, 54
Ammonium dichlorcresol....	$Me.ONH_4.Cl_2$=1.4.(?)$_2$	$C_7H_9Cl_2ON$	....	125	Claus & Riemann	B., 16, 600	44, 1112
Trichloracetoxyvaleramide	$CCl_3.C_3H_5(OAc).CO.NH_2$	$C_7H_{10}Cl_3O_3N$	phys. isom.	96	Pinner & Klein	B., 11, 1491	36, 42
,,	,,	,,	,,	119	,,	,,	,,
Crotonchloralurethane	$CCl_3.C_2H_2.CH(OH).NH.CO_2Et$	,,	....	123–125	Bischoff	B., 7, 633	27, 891
Propoxyethoxychloraceto-nitril	$PrO.CCl(OEt).CN$	$C_7H_{12}ClO_2N$	182–184	....	Bauer	A., 229, 163	48, 1121
α-Pyridinetricarbonyl chloride	....	$C_8H_2Cl_3O_3N$	205–206 (40)	....	....	A., 201, 320	
Isatin chloride	$C_6H_4.CO.CCl:N$=1.2	C_8H_4ClON	....	180 d.	Baeyer	B., 11, 1296; 12, 456	
Dinitrophenyltrichloracet-amide	$CCl_3.CO.NH.C_6H_3(NO_2)_2$	$C_8H_4Cl_3O_5N_3$	118	....	Tomassi and Meldola	B. S., 21, 399	27, 316
Nitrodichloracetophenone	$fr.C_6H_4Ac.NO_2$=1.2	$C_8H_5Cl_2O_3N$	....	73	Gevekoht	A., 221, 323	46, 445
Nitrodichloracetoxybenz-ene	$OAc.Cl_2.NO_2$=1.(?)$_2$.2	$C_8H_5Cl_2O_4N$	....	77	....	As., 7, 188	
Dinitrodichloracetanilide....	$NHAc.Cl_2.(NO_2)_2$=1.3.4.2.6	$C_8H_5Cl_2O_5N_3$	....	245–246	Beilstein and Kurbatow	A., 196, 227; B., 11, 1979	36, 310
Nitrotrichloracetanilide	$NHAc.Cl_3.NO_2$=1.3.4.6.2	$C_8H_5Cl_3O_3N_2$	....	193	,,	A., 196, 235; B., 11, 1980	36, 310
Dinitrotrichlorethoxybenz-ene	$OEt.Cl_3.(NO_2)_2$=?	$C_8H_5Cl_3O_5N_2$	....	100	....	A., 149, 153	
Tetrachloracetanilide	$NHAc.Cl_4$=1.2.3.4.6	$C_8H_5Cl_4ON$	....	173–174	Beilstein and Kurbatow	A., 196, 236; B., 11, 1862	36, 143
Nitrochlorcinnamene	$C_6H_4(NO_2).CH:CHCl$=1.2	$C_8H_6ClO_2N$	....	58–59	Lipp	B., 17, 1071	46, 1030
,, ...	$C_6H_4(NO_2).CCl:CH_2$=1.4	,,	....	63–64	Drewsen	A., 212, 162	42, 847
Chloramidophenoxyacetic acid	$Cl.NH_2.(O.CH_2.CO_2H)$=?.1.2	,,	....	196–197	Thate	J. p. [2], 29, 145	46, 1171
,, ,,	,, ,,	,,	....	197	,,	J. p. [2], 25, 266	42, 849
Nitrodichloracetanilide	$NHAc.Cl_2.NO_2$=1.3.4.6	$C_8H_6Cl_2O_3N_2$	....	123–124	Beilstein and Kurbatow	A., 196, 226; B., 11, 1978	36, 310
,, (B.S. [2], 33, 25)	,, =1.3.5.6	,,	....	138–139	,,	,,	34, 974; 36, 310
,, ...	,, =1.2.5.4	,,	....	145–146	,,	,,	36, 309
,, ...	,, =1.3.4.2	,,	....	152–153	,,	,,	36, 310
,, ...	,, =1.2.4.6	,,	....	188	,,	B., 11, 1979	
,, ...	,, ,,	,,	....	188	Witt	B., 7, 1603	28, 759
,, ...	,, =1.2.5.6	,,	....	204–205	Beilstein and Kurbatow	A., 196, 222; B., 11, 1978	36, 309

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrodichloracetanilide	NHAc.Cl_2.NO_2=1.2.4.6	$C_8H_6Cl_2O_3N_2$	....	210	Beilstein and Kurbatow	B., 11, 1979	
"	" "	"	....	210	Witt	B., 8, 144	
" (B.S.[2],30,25)	" =1.3.5.4	"	....	222	Beilstein and Kurbatow	A., 196, 228; B., 11, 1979	**34**, 974; **36**, 310
Dinitrodichlorxylene	Me_2.Cl_2.$(NO_2)_2$=1.4.2.5.3.6	"	....	225	Kluge	B., 18, 2098	**48**, 1209
Trichloracetanilide	Ph.NH.CO.CCl_3	$C_8H_6Cl_3ON$	....	80–81	Wallach and Kamenski	B., 13, 517	
" (B.S.,21,399)	"	"	B., 3, 784	*82*	Judson	Z. C. [2], 7, 40	vii., 10
?	Ph.NH.CO.Cl_3 or $C_6H_2Cl_3$.NHAc	"	....	94	Tommasi and Meldola	....	**27**, 315
Acettrichloranilide	NHAc.Cl_3=1.2.3.4	"	....	120–122	Beilstein and Kurbatow	B., 9, 1688; 11, 1862; A., 196, 234	**31**, 474; **36**, 143
" ...	" =1.2.4.5	"	....	184–185	"	"	**36**, 143
" (B., 8, 1656)	" =1.2.4.6	"	....	204	"	"	"
" ..	" "	"	....	204	"	B., 8, 1656	**29**, 712
Nitrotrichlorethoxybenzene (?)	OEt.Cl_3.NO_2=?	$C_8H_6Cl_3O_3N$	....	53–54	....	A., 149, 152	
Nitrochloracetanilide	NHAc.Cl.NO_2=1.3.6	$C_8H_7ClO_3N_2$	....	115	Beilstein and Kurbatow	B., 8, 693; 9, 634; A., 182, 105	**28**, 1037; **30**, 309, 631
" ...	" =1.2.4	"	....	139	"	A., 182, 108	**30**, 632
" (B., 9, 635)	" =1.3.4	"	....	141–142	"	A., 182, 107	**30**, 309, 632
"	" =1.2.5	"	....	153–154	"	A., 182, 101; B., 8, 693; 9, 634	**28**, 1037; **30**, 308, 631
Dinitrochlorethoxybenzene	OEt.Cl.$(NO_2)_2$=1.4.2.6	$C_8H_7ClO_5N_2$	....	51	Petersen	A., 157, 165	**24**, 245, 248
"	" "	"	....	*54–55*	Petersen and Predari	A., 157, 161	vii., 914, 929
Dichloracetanilide	Ph.NH.CO.$CHCl_2$	$C_8H_7Cl_2ON$	....	117	Cech	B., 9, 339, 1022	**30**, 66
"	"	"	....	117–118	Pinner & Fuchs	B., 10, 1062	**32**, 585
"	"	"	....	*117–118*	Cech	B., 10, 1266	
Acetdichloranilide....	NHAc.Cl_2=1.3.4	"	A., 196, 217	120·5	Beilstein and Kurbatow	B., 8, 694; 10, 2090; 11, 1861	**28**, 1037; **34**, 299; **36**, 143
"	" =1.2.5	"	....	132	"	B., 11, 1861	**36**, 143
"	" =1.2.4	"	...	140	Witt	B., 7, 1602; J. [1874], 724	**28**, 759; **34**, 298
"	" "	"	....	140·5	"	B., 8, 1228	
"	" "	"	....	143	Wenghöffer	J. p. [2], 16, 448	**34**, 298
"	" "	"	A., 182, 95; 196, 219	*143*	Beilstein and Kurbatow	B., 8, 1655; B., 11, 1861	**29**, 712; **36**, 143
" (B., 11, 1861)	" =1.2.3	"	"	156-157	"	B., 10, 2091	**34**, 299
"	" =1.2.6	"	"	175	"	B. S. [2], 30, 25; B., 11, 1861	**34**, 974; **36**, 143
"	" =1.3.5	"	"	186–187	"	B., 11, 1861	**36**, 143
Phenylnitroethylene dichloride	Ph.CHCl.CHCl.NO_2	$C_8H_7Cl_2O_2N$	....	30	Priebs	A., 225, 319	**48**, 161
Nitrotolylene chloride	$(CH_2Cl)_2$.NO_2=1.4.5	"	....	35	Grimaux	A. C. [4], 26, 331	**25**, 817
" "	" "	"	....	45	....	Z. C. [1871], 598	
Nitrodichlorethoxybenzene	OEt.Cl_2 NO_2=1.(?)$_2$.6	$C_8H_7Cl_2O_3N$	As., 7, 188	29	Fischer	Z. C. [2], 4, 386	vi., 913
"	" =1.(?)$_2$.4	"	As., 7, 201	35	Seifart	Z. C. [2], 5, 449	"
Benzenylmethoxime chloride	Ph.CCl : NOMe	C_8H_8ClON	225 u. c.	Liquid −10	Krüger	B., 18, 1057	**48**, 896
Methylphenylcarbamide chloride	Ph.NMe.CO.Cl	"	280	88	Michler and Zimmermann	B., 12, 1165	**36**, 935
Chloracetanilide	Ph.NH.CO.CH_2Cl	"	....	84	Pinner & Fuchs	B., 10, 1058	**32**, 585
" (B.S. [2], 19, 400)	"	"	....	97	Tommasi	C. R., 76, 885	**26**, 911
" (B., 13, 518)	"	"	....	134	Cech	B., 10, 1377	
"	"	"	....	*134·5*	Meyer	B., 8, 1153	**29**, 372
Acetchloranilide	NHAc.Cl=1.3	"	....	72·5	Beilstein and Kurbatow	A., 182, 104; B., 9, 634	**28**, 1037; **30**, 309
"	" =1.2	"	B., 8, 693	87–88	"	"	"
"	" =1.4	"	....	162	Witt	B., 8, 1226	
"	" "	"	....	162	Wenghöffer	J. p. [2], 16, 448	**34**, 298

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetchloranilide	NHAc.Cl=1.4	C_8H_8ClON	....	172·5	Beilstein and Kurbatow	B., 7, 1761; A., 182, 98	28, 451
Chlorphenylacetamide	$C_6H_4Cl.(CH_2.CONH_2)$=1.4	„	....	175	....	A., 147, 349	
?	....	„	....	134	....	A., 207, 141	
Methamidochlorbenzoic acid	CO_2H.NHMe.Cl=1.2.?	$C_8H_8ClO_2N$	....	178	Coste and Bodewig	B., 18, 431	48, 793
Nitrochlorethoxybenzene	OEt.Cl.NO_2=1.4.6	$C_8H_8ClO_3N$	B., 14, 37	61	Hallock	A. C. J., 2, 258	40, 595
„	„ „	„	As., 7, 193	*61–62*	Faust and Saame	Z. C. [2], 5, 451	vi., 913
„	„ =1.2.4	„	B., 14, 37	78	Hallock	A. C. J., 3, 21	40, 595
Chlorcyamic acid	$C_7H_7Cl(NO_2).CO_2H$	$C_8H_8ClO_4N$	$+H_2O$	186	Bellmann	J. p. [2], 29, 1	46, 840
Aniline trichloracetate	$CCl_3.CO_2.NH_3Ph$	$C_8H_8Cl_3O_2N$	....	145	Beamer and Clarke	A. C. J., 1, 23; B., 12, 1067	36, 786
Nitrochlorethamidobenzene	NHEt.Cl.NO_2=1.3.6	$C_8H_9ClO_2N_2$	....	83–84	Laubenheimer	B., 11, 1157	34, 976
Chlorcaffeïne (J. [1850], 435)	....	$C_8H_9ClO_2N_4$	....	188	Fischer	A., 215, 261	44, 354
Amidodichlorethoxybenzene	OEt.$Cl_2.NH_2$=1.$(?)_2$.4	$C_8H_9Cl_2ON$	275	46	Jaeger	B., 8, 898	28, 1260
Methyldichlorpseudolutidostyril	fr. NMe.Me_2 : O=1.2.4.6.6	„	....	187	Hantzsch	B., 17, 1031	46, 1047
Aniline dichloracetate	$CHCl_2.CO_2.NH_3Ph$	$C_8H_9Cl_2O_2N$	....	122	Beamer & Clarke	A. C. J., 1, 23; B., 12, 1067	36, 786
„ „	„	„	....	125	Cech & Schwebel	B., 10, 289; C. C. [1871], 134	32, 179; 34, 216
Aniline chloracetate	$CH_2Cl.CO_2.NH_3Ph$	$C_8H_{10}ClO_2N$	....	88	Clarke & Beamer	A. C. J., 1, 23; B., 12, 1067	36, 786
Lutidine carboxylic acid +HCl	N.$Me_2.CO_2H$=1.2.4.3	„	....	166	Michael	B., 18, 2024	48, 1245
„ „ „	„ =?	„	$+H_2O$	220 d.	Canzoneri and Spica	G. I., 14, 448	48, 751
Phenylethenylamidoxime +HCl	$CH_2Ph.C(NH_3Cl)$: NOH	$C_8H_{11}ClON_2$	....	155	Knudsen	B., 18, 1069	48, 897
Phenylhydroxyacetamidine +HCl	Ph.CH(OH).C(NH_3Cl) : NH	„	....	213–214	Beyer	J. p. [2], 28, 190	46, 65
„ „	„	„	....	214	„	J. p. [2], 31, 382	48, 983
Nitrosodimethaniline +HCl	$C_6H_4(NO).NMe_2$=1.4	„	....	177	Baeyer and Caro	B., 7, 810, 963	28, 84
Acetdiamidobenzene+HCl	NH_3Cl.NHAc=1.3	„	....	280	Wallach & Schulze	B., 15, 3020	44, 583
Diamidodimethoxybenzene +HCl	$(OMe)_2.NH_2.NH_3Cl$=1.4.5.?	$C_8H_{13}ClO_2N_2$	....	169	Kariof	B., 13, 1676	40, 272
Chlordipropoxyacetonitril	$(PrO)_2CCl.CN$	$C_8H_{14}ClO_2N$	199–202	....	Bauer	A., 229, 163	48, 1121
Dichlorethylidene urethane	$CHCl_2.CH(NH.CO_2Et)_2$	$C_8H_{14}Cl_2O_4N_2$	....	120	Bischoff	B., 5, 81	
„ „	„	„	A., 33, 96	122	....	J. p. [2], 24, 120	
Chlorethylidene urethane	$CH_2Cl.CH(NH.CO_2Et)_2$	$C_8H_{15}ClO_4N_2$	J., p. [2], 24, 122	147	Bischoff	B., 3, 760; 5, 82; 7, 630	24, 136; 25, 412; vii., 411
Diethylic aspartate+HCl	$CO_2Et.CH_2.CH(NH_3Cl).CO_2Et$	$C_8H_{16}ClO_4N$	....	95	Curtius and Koch	B., 18, 1294	48, 885
Tetramidophenetoïl +2HCl	OEt.$(NH_2)_4$=1.2.3.4.?	$C_8H_{16}Cl_2ON_4$	....	nf. 360	Köhler	J. p. [2], 29, 257	46, 1161
Capronimidoether+HCl	C_5H_{11}.C(OEt) : NH_2Cl	$C_8H_{18}ClON$	....	ord. temp.; s.b. 0	Pinner	B., 17, 178	46, 723
Dichlorcarbostyril	N.OH=$a_1\beta_1$;	$C_9H_5Cl_2ON$	....	249	Friedländer and Weinberg	B., 15, 1425	42, 1209
Chlorhydroxyquinoline	N.OH.Cl=?	C_9H_6ClON	....	180	Friedländer	B., 15, 2685	44, 351
„	„ =$a_1\beta_1\beta_2$;	„	....	241–242	„	B., 15, 2680	„
„	„ „	„	....	241–242	Ostermeier	B., 15, 336	42, 733
„	„ =$a_1\beta_1a_2$;	„	....	246	Baeyer and Blœm	B., 15, 2149	44, 196
A chloride of hippuric acid	....	$C_9H_6ClO_2N$	220	40–50	....	A., 112, 65	iii., 161
Methylpseudochlorisatin....	$C_6H_3Cl.CO.CO.NMe$=?.1.2	„	....	191	Coste & Bodewig	B., 18, 431	48, 793
Nitrocinnamyl chloride	NO_2.(CH:CH.COCl)=1.2	$C_9H_6ClO_3N$	....	64·5	Fischer & Kuzel	B., 16, 34	
Propionyltrichlornitrophenol	O(C_3H_5O).$Cl_3.NO_2$=1.2.4.6.3	$C_9H_6Cl_3O_4N$	....	65	Guareschi and Daccomo	B., 18, 1173	48, 891

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trichloracetdinitrotoluide	$Me.(NO_2)_2.(NH.CO.CCl_3)=1.3.5.4$	$C_9H_6Cl_3O_5N_3$	....	141–142 u.c.	Friederici	B., 11, 1975	
Acetotrinitrochloranisidine	$OMe.NHAc.Cl.(NO_2)_3=1.2.(?)_4$	$C_9H_7ClO_8N_4$	....	198	Herold	B., 15, 1686	**42**, 1287
Dichloracetamidobenzoic acid	$CO_2H.(NH.CO.CHCl_2)=1.2$	$C_9H_7Cl_2O_3N$	....	173	Jackson	B., 14, 887	**40**, 735
Trichloracetnitrotoluide	$Me.NO_2.(NH.CO.Cl_3)=1.3.4$	$C_9H_7Cl_3O_3N_2$	A., 209, 363	54–55	Friederici	B., 11, 1972	**36**, 311
Chloracetamidobenzoic acid	$CO_2H.(NH.CO.CH_2Cl)=1.2$	$C_9H_8ClO_3N$	....	d. 200	Jackson	B., 14, 888	**40**, 735
Formylmethamidochlorbenzoic acid	$CO_2H.(NMe.COH).Cl=1.2.4$ or 6	„	....	201–202	Coste & Bodewig	B., 18, 430	**48**, 793
Ethylic nitrochlorbenzoate	$CO_2Et.Cl.NO_2=1.2.3$ or 5	$C_9H_8ClO_4N$	....	28–29	Hübner	Z. C. [2], 2, 615	
„ „	„ $=1.4.5$	„	....	58	„	Z. C. [2], 2, 615	**vi.**, 316
„ „	„ „	„	....	*59*	Raveill & Hübner	A., 222, 166	**46**, 601
„ „ (J. [1865], 332)	„ $=1.3.2$ or 6	„	....	282	Cunze & Hübner	A., 135, 113	„
Nitrophenylchlorlactic acid	$C_6H_4.NO_2.(CH_2.CH(OH).CO_2H)=1.4$	$C_9H_8ClO_5N$	....	165 ; *166*	Beilstein and Kuhlberg	A., 163, 142; Z. C. [2], 7, 487	**25**, 300 ; **vii.**, 348
„ „	„ $=1.2$	„	....	119–120	Baeyer	B., 13, 2261	**40**, 275
Ethylic nitrochlorsalicylate	$CO_2Et.OH.Cl.NO_2=1.2.5.?$	„	....	89	Smith and Pierce	B., 13, 35	**38**, 392
Acetdinitrochloranisidine	$OMe.NHAc.Cl.(NO_2)_2=1.2.(?)_3$	$C_9H_8ClO_6N_3$	....	165	Herold	B., 15, 1686	**42**, 1287
Benzylidenechloral-ammonia	$Ph.CH:N.CH(OH).CCl_3$	$C_9H_8Cl_3ON$	....	130	Schiff	B., 11, 2166	**36**, 452
Trichloracettoluide	$C_6H_4Me.NH.CO.CCl_3=1.4$	„	B., 3, 784	102	Judson	Z. C. [2], 7, 40	**vii**, 10
Acetotrichlortoluide	$Me.NHAc.Cl_3=1.3.4.(?)_2$	„	....	190–191	....	A., 187, 279	
Chloralbenzamide....	$Ph.CO.NH.CH(OH).CCl_3$	$C_9H_8Cl_3O_2N$	....	146	Pinner and Klein	B., 11, 11	
„	„	„	....	150–151	....	A., 157, 245	
„ (J. [1879], 552)	„	„	....	*150–151*	Wallach	B., 5, 255	**vii.**, 130, 311
Acetnitrochloranisidine	$OMe.NHAc.Cl.NO_2=1.2.(?)_2$	$C_9H_9ClO_4N_2$	....	185	Herold	B., 15, 1686	**42**, 1287
Dinitrochlormesitylene	$Me_3.Cl.(NO_2)_2=1.3.5.2.4.6$	„	....	176	Fittig and Hoogewerff	Z. C. [2], 5, 168	**vi.**, 299
„	„ „	„	....	178–179	....	A., 150, 325	
Dichloracettoluide	$C_6H_4Me.NH.CO.CHCl_2=1.4$	$C_9H_9Cl_2ON$	....	153	Cech	B., 10, 879	**32**, 586
Benzenylethoxime chloride	$Ph.CCl:N.OEt$	$C_9H_{10}ClON$	230 u.c. (o.p.)	Liquid — 10	Tiemann and Krüger	B., 18, 733	**48**, 790
„ „	„	„	125 (45)	....	„	„	„
„ „	„	„	230 u.c.	L. f.m.	Krüger	B., 18, 1057	**48**, 896
„ „	„	„	232; *239 c.*	....	Lossen	B., 18, 1194	
Phenylethylamidocarbonyl chloride	$NEtPh.CO.Cl$	„	....	52 u.c.	Michler	B., 9, 399	**30**, 92
Chloracettoluide	$C_6H_4Me.NH.CO.CH_2Cl=1.4$	„	....	*161·5*	Meyer	B., 8, 1154	**29**, 372
„ (B. S., 19, 400)	„ „	„	sb. 110	162	Tommasi	B., 6, 569 ; C. R., 76, 885	**26**, 911
Acetchlortoluide	$Me.NHAc.Cl=1.4.5$	„	....	99	Wroblewsky	Z. C. [2], 5, 322 ; A., 168, 196	**27**, 54 ; **vi.** 1104
„	„ $=1.3.4$	„	....	130–131	Engelbrecht	B., 7, 798	**27**, 986
„	„ $=1.2.4$	„	....	139–140	„	B., 7, 797	„
Chlorethylic phenylcarbamate	$NHPh.CO_2.C_2H_4Cl$	$C_9H_{10}ClO_2N$	....	51	Nemirowsky	J. p. [2], 31, 173	**48**, 741
Acetchloranisidine	$OMe.NHAc.Cl=1.2.?$	„	326	150	Herold	B., 15, 1686	**42**, 1287
Nitrochlormesitylene	$Me_3.Cl.NO_2=1.3.5.2.4$	„	A., 150, 324	56–57	Fittig and Hoogewerff	Z. C. [2], 5, 168	**vi.**, 299
Ethoxychloroxydimethylpurin	$C_5N_4Me_2OCl.OEt$	$C_9H_{11}ClO_2N_4$	....	160	Fischer	B., 17, 335	**46**, 997
Trichlorhydroxycyanconine	$C_9H_{10}Cl_3N_2.OH$	$C_9H_{11}Cl_3ON_2$	....	132	Riess	J. p. [2], 30, 145	**48**, 236
Ethylbenzimide+HCl	$Ph.C(OEt):NH_2Cl$	$C_9H_{12}ClON$	....	d.w.m. 118–120	Pinner	B., 16, 1655	**44**, 1090
Ethylic amidobenzoate +HCl	$C_6H_4.NH_3Cl.CO_2Et=1.2$	$C_9H_{12}ClO_2N$	....	170	Kolbe	J. p. [2], 30, 467	**48**, 665
β-lutidinebetain+HCl	....	„	....	162·5	....	C. R., 95, 300	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzylic ethenylamid-oxime+HCl	Ph.CH_2.O.N : CMe.NH_3Cl	$C_9H_{13}ClON_2$	....	163	Nordmann	B., 17, 2752	**48**, 239
?	....	$C_9H_{14}Cl_6O_4N_2$	....	151–152	....	....	**iv.**, 736
?	....	$C_9H_{15}Cl_5O_4N_2$	....	166–168	....	....	„
?	....	$C_9H_{16}Cl_5O_3N_3$	....	110·5	Otto	A., 116, 195	**ii.**, 532
Oxallyltrimethammonium chloride	O.CH_2.CH.CH_2.NEt_3Cl	$C_9H_{20}ClON$	....	Liquid — 20	Reboul	C. R., 93, 423	**40**, 1122
?	....	$C_9H_{28}Cl_8O_5N_4$	....	163–164	....	....	**iv.**, 736
Trinitro-α-dichlornaphthalene	Cl_2 ; Cl_2	$C_{10}H_3Cl_2O_6N_3$	....	178	Widmann	B. S. [2], 28, 509 ; B., 12, 1714	**32**, 900 ; **38**, 47
„ -ε- „	Cl ; Cl	„	....	198–200	Alén	B. S. [2], 36, 433	**42**, 410
„ -δ- „	Cl_2 ; Cl_2	„	....	200–201	„	„	**42**, 409
Nitro-δ-tetrachlornaphthalene	Cl_2 ; Cl_2	$C_{10}H_3Cl_4O_2N$	....	154–155	Atterberg and Widmann	B., 10, 1843	**34**, 322
Dinitro-β-dichlornaphthalene	$Cl_2=\alpha_1\alpha_2$;	$C_{10}H_4Cl_2O_4N_2$	....	158	Widmann	B. S. [2], 28, 510 ; B., 12, 1714	**32**, 900 ; **38**, 47
„ -δ- „	Cl ; Cl	„	....	245–246	Alén	B. S. [2], 36, 433	**42**, 409
„ -γ- „	$Cl_2=\alpha_1$; α_2	„	....	246	Widmann	B. S. [2], 28, 505	**32**, 900
„ „ „	„ „	„	....	246	Atterberg	B., 9, 1730	**31**, 466
„ -ε- „	Cl ; Cl	„	B., 15, 320	252–253	Alén	B. S. [2], 36, 433	**42**, 409
α-Dinitrochlornaphthalene	α_1 α_2 ; α_1	$C_{10}H_5ClO_4N_2$	....	104–106	Faust and Saame	A., 160, 68 ; Z. C. [2], 5, 705	**25**, 65 ; **vi.**, 846
α- „	„	„	....	*106*	Atterberg	B., 9, 927, 1187	**30**, 516 ; **31**, 85
β- „	α_1 α_2 ; α_2	„	....	180	„	B., 9, 928	**30**, 516
Dichlormaleïc phenylimide	C_2Cl_2 : $(CO)_2$: NPh	$C_{10}H_5Cl_2O_2N$	....	201	Kauder	J. p. [2], 31, 1	**48**, 652
Nitro-β-dichlornaphthalene	Cl.Cl ; $NO_2=\alpha_1\alpha_2$; α_1	„	....	92	Widmann	B. S., 28, 509 ; B., 12, 1714	**32**, 900 ; **38**, 47
„ -δ- „	Cl ; Cl.NO_2	„	....	95	Alén	B. S. [2], 36, 433	**42**, 409
„ -ε- „	Cl ; Cl.$NO_2=\beta$; ? ? or ? ; β ?	„	....	113·5–114	„	„	„
„ -η- „	one Cl=β	„	....	119	Cleve	B. S. [2], 29, 499	**34**, 736
„ -ε- „	Cl ; Cl.$NO_2=\beta$; ? ? or ? ; β ?	„	....	139–139·5	Alén	B. S. [2], 36, 433	**42**, 409
„ -δ- „	Cl ; Cl.NO_2	„	....	141·5–142	„	„	„
„ -γ- „	Cl ; Cl.$NO_2=\alpha_1$; α_2 ?	„	....	142	Atterberg	B., 9, 928	**30**, 516
„ -γ- „	„ „	„	....	142	Widmann	B. S. [2], 28, 505	**32**, 900
Nitrochlornaphthalene	Cl.$NO_2=\alpha_1\alpha_2$	$C_{10}H_6ClO_2N$	....	85	Atterberg	B., 9, 927, 1187	**30**, 516 ; **31**, 85
„	„ „	„	....	85	Cleve	B. S. [2], 26, 241	**31**, 208
Chlorquinolinecarboxylic acid	N.OH.$CO_2H=\alpha_1\beta_1\beta_2$;	„	....	200 p. d.	Friedländer and Göhring	B., 17, 460	**48**, 1020
Methoxycinnamic acid diazochloride	C_6H_3(CH : CH.CO_2H).OMe (N : NCl)=1.2.5	$C_{10}H_9ClO_3N_2$	....	d. 102	Schnell	B., 17, 1385	**46**, 1165
Hydroxycomazine+2HCl	$C_{10}H_6N_3$.OH+2HCl	$C_{10}H_9Cl_2ON_3$	....	265	Krippendorff	J. p. [2], 32, 153	**48**, 1243
Hydroxyquinoline methochloride	C_9NH_6(OH)MeCl+H_2O	$C_{10}H_{10}ClON$	....	210	Ostermeyer	C. C. [1884], 970	**48**, 672
Ethylic phenylimidochloracetate	Ph.N : CCl.CO_2Et	$C_{10}H_{10}ClO_2N$	....	91	Klinger	A., 184, 275 ; B., 8, 312	**28**, 1025 ; **31**, 711
Chlorbenzylmalonamide	Ph.CH_2.CCl$(CO.NH_2)_2$	$C_{10}H_{11}ClO_2N_2$	d. 210–220	abt. 80	Bischoff & Emmert	B., 15, 1113	
Dinitrochlorcymene	Me.Pr$^{\alpha}$.Cl.$(NO_2)_2$=1.4.5.(?)$_2$	$C_{10}H_{11}ClO_4N_2$	....	100–101	Ladenburg and Engelbrecht	B., 10, 1221	**34**, 60
„	„ =1.4.6.(?)$_2$	„	....	108–109	Gerichten	B., 11, 1091	**34**, 787
Ethylic phenamidodichloracetate	Ph.NH.CCl_2.CO_2Et	$C_{10}H_{11}Cl_2O_2N$	....	71	Klinger	B., 8, 311	**28**, 1025
„ „	„	„	108–110 (i.v.)	71–72	„	A., 184, 273	**31**, 711
Nitrocymylene chloride	C_6H_3Pr.NO_2.$CHCl_2$	„	....	s. —10 to —20	Widmann	B., 15, 167	**42**, 727
Acetochloroxylide	Me_2.Cl.NHAc=1.4.2.5	$C_{10}H_{12}ClON$	....	171	Kluge	B., 18, 2098	**48**, 1208
Thymoquinonechlorimide	....	$C_{10}H_{12}ClO_2N$	d. 160–170	Liquid — 21	Andressen	J. p. [2], 23, 169	**40**, 590
Dimethamidophenyltrichlormethylcarbinol	NMe_2.C_6H_4.CH(OH).CCl_3	$C_{10}H_{12}Cl_3ON$	....	111 p.d.	Boessneck	B., 18, 1517	**48**, 976
Nitrophenylhydroxyacetimidoether+HCl	NO_2.C_6H_4.CH(OH).C(OEt) : NH_2Cl=1.3	$C_{10}H_{13}ClO_4N_2$	....	129	Beyer	J. p. [2], 31, 382	**48**, 983
Phenylacetimidoethylether +HCl	Ph.CH_2.C(OEt) : NH_2Cl	$C_{10}H_{14}ClON$	....	85 d. ; sf. 60	Luckenback	B., 17, 1422	**48**, 1134

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Amidochlorthymol	Me.Pr$^{\alpha}$.OH.Cl.NH$_2$ =1.4.5.(?)$_2$	$C_{10}H_{14}ClON$	....	100·5	Andressen	J. p. [2], 23, 175, 180	**40**, 590
Mandelicimidoether+HCl	Ph.CH(OH).C(OEt) : NH$_2$Cl	$C_{10}H_{14}ClO_2N$	....	120	Beyer	J. p. [2], 31, 382	**48**, 982
" "	"	"	....	*121*	"	J. p. [2], 28, 190	**46**, 65
Amidochlorhydroeugenol	C$_3$H$_6$Cl.OMe.OH.NH$_2$ =1.3.4.5	"	....	97	Weselsky and Benedikt	M. C., 3, 390	**42**, 1201
Nitrochlorcamphor (+)	C$_{10}$H$_{14}$Cl(NO$_2$)O	$C_{10}H_{14}ClO_3N$	d. b. 200	83	Cazeneuve	B., 17, [3], 141 ; C. R., 98, 306	**46**, 1041
"	"	"	....	93–94	Schiff and Puliti	B., 16, 888	
(−)	"	"	d. a. 100	*95*	Cazeneuve	C. R., 96, 589 ; B., 16, 972	**44**, 667
"	"	"	....	110	Schiff and Puliti	B., 16, 889	
Terpene (fr. bergamot) nitrosochloride	C$_{10}$H$_{16}$(NO)Cl	$C_{10}H_{16}ClON$	J. [1875], 390	98	Tilden and Shenstone	J. [1877], 427	**31**, 560
Hesperidene nitrosochloride	"	"	....	103	" "	J. [1877], 428	**31**, 558
Australene nitrosochloride	"	"	....	103	" "	"	**31**, 556
Hydrochlorcarvoxime	....	"	d. 162·5	132·5	Goldschmidt and Zürrer	B., 18, 1731, 1732	**48**, 1058
Carvenenitrosylchloride nitrate	C$_{10}$H$_{16}$(HNO$_3$).NOCl	$C_{10}H_{17}ClO_4N_2$	....	114–115	Meissen	G. I., 13, 99	**44**, 1140
Amidohydroxycamphor +HCl	C$_{10}$H$_{14}$(OH)(NH$_3$Cl)O	$C_{10}H_{18}ClO_2N$	....	250	Kachler and Spitzer	M. C., 4, 643	**44**, 1008
Methamidochlor-α-naphthaquinone	C$_{10}$H$_4$Cl(NHMe) : O$_2$	$C_{11}H_8ClO_2N$	....	150	Plagemann	B., 15, 485	**42**, 973
Ethoxychlorquinoline	N.OEt.Cl=$\alpha_1\beta_1\beta_2$;	$C_{11}H_{10}ClON$	269	Liquid	Friedländer	B., 15, 2684	
"	" =$\alpha_1\beta_1\alpha_2$;	"	270	43	"	"	
Crotonic-chloralbenzamide	CCl$_3$.C$_2$H$_2$.CH(OH).NHBz	$C_{11}H_{10}Cl_3O_2N$	....	150	Pinner	A., 179, 21	**29**, 549
Quinoline+chloral+H$_2$O	CCl$_3$.CH.O.NC$_9$H$_7$.H$_2$O	"	....	66	Rhoussopoulos	B., 16, 882	
Butyrochloralbenzamide	CCl$_3$.C$_2$H$_4$.CH(OH).NHBz	$C_{11}H_{12}Cl_3O_2N$	....	132–133	Schiff & Tassinari	B., 10, 1785	**34**, 23
Ethylic tolamidodichloracetate	Me.(NH.CCl$_2$.CO$_2$Et)=1.4	$C_{11}H_{13}Cl_2O_2N$	....	59–60	Klinger	A., 184, 287	**31**, 712
Diethamidobenzoyl chloride	C$_6$H$_4$.NEt$_2$.COCl	$C_{11}H_{14}ClON$	....	70	Smith	....	**41**, 185
COCl$_2$ on diethamidonaphthalene	....	"	....	225 d.	"	....	"
Trichlorethyliden-ethoxytoluidine	CCl$_3$.CH(OEt).NH.C$_6$H$_4$Me =1.4	$C_{11}H_{14}Cl_3ON$	....	76–77	Wallach	B., 5, 254 ; A., 173, 280	**25**, 611 ; **28**, 350 ; vii., 311, 1179
Isobutoxybenzamidine + HCl	Ph.C(OBu$^{\beta}$) : NH$_2$Cl	$C_{11}H_{16}ClON$	....	135 d.	Pinner and Klein	B., 10, 1892	
Ethylhydrazinhydrocinnamic acid+HCl	NH$_3$Cl.NEt.C$_6$H$_4$.(CH$_2$)$_2$.CO$_2$H=1.2	$C_{11}H_{17}ClO_2N_2$	....	146	Fischer & Kuzel	B., 16, 1453	**44**, 1132
Amidoethoxyphenylurethane+HCl	OEt.NH$_3$Cl.(NH.CO$_2$Et) =1.?.4	$C_{11}H_{17}ClO_3N_2$	....	155–156	Köhler	J. p. [2], 29, 257	**46**, 1160
Dimethoxybenzenetrimethammonium chloride	(OMe)$_2$.(NMe$_3$Cl)=1.4.5	$C_{11}H_{18}ClO_2N$	....	172	Baessler	B., 17, 2122	**46**, 1330
Diamidoethoxyphenylurethane + HCl	OEt.(NH$_2$)$_2$.(NH.CO$_2$Et) =1.(?)$_2$.4	$C_{11}H_{18}ClO_3N_3$	....	238	Köhler	J. p. [2], 29, 257	**46**, 1161
Chlorisovaleral-diurethane	C$_4$H$_8$Cl.CH(NH.CO$_2$Et)$_2$	$C_{11}H_{21}ClO_4N_2$	....	130	Bischoff	B., 7, 634	**27**, 891
Triamidoethoxyphenylurethane+3HCl	OEt.(NH$_3$Cl)$_3$.(NH.CO$_2$Et) =1.(?)$_3$.4	$C_{11}H_{21}Cl_3O_3N_4$	....	233	Köhler	J. p. [2], 29, 257	**46**, 1161
Dinitrodichlordiphenyl	....	$C_{12}H_6Cl_2O_4N_2$	....	140	....	A., 207, 340	
Tetrachlorazoxybenzene	ON$_2$(C$_6$H$_3$Cl$_2$)$_2$=(1.2.5)$_2$	$C_{12}H_6Cl_4ON_2$	....	141	Laubenheimer	B., 7, 1601	**28**, 759
"	" "	"	....	*141·5*	"	B., 8, 1627	
"	" =(1.3.5)$_2$	"	....	171–172	Beilstein and Kurbatow	A., 197, 84 ; B., 11, 2057	**36**, 231
Nitrochlorquinoneanilide ...	Cl.NO$_2$.NHPh : O$_2$ =1.(4 or 6).3.2.5	$C_{12}H_7ClO_4N_2$	....	206–208	Guareschi and Daccomo	B., 18, 1172	**48**, 891
Nitrodichlorazobenzene	C$_6$H$_4$Cl.N$_2$.C$_6$H$_3$Cl.NO$_2$ =4.1 ; 1.4.?	$C_{12}H_7Cl_2O_2N_3$	....	210	Calm and Heumann	B., 13, 1184	**38**, 880
Nitrodichlorazoxybenzene	C$_6$H$_4$Cl.N$_2$O.C$_6$H$_3$Cl.NO$_2$ =4.1 ; 1.4.?	$C_{12}H_7Cl_2O_3N_3$	....	133–134	" "	B., 13, 1185	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrodichlorazoxybenzene	$C_6H_4Cl.N_2O.C_6H_3Cl.NO_2$ =4.1 ; 1.4.?	$C_{12}H_7Cl_2O_3N_3$	....	*134*	Heumann	B., 5, 912	**26**, 168 ; vii., 150
Trichlorazophenol....	fr. $N_2(C_6H_4.OH)_2=(1.2)_2$	$C_{12}H_7Cl_3O_2N_2$	....	235	Bohn and Heumann	B., 17, 275	**46**, 1015
Nitrosonitrochlordiphenylamine	$Cl.NO_2.(NPh.NO)$=1.3.? or 1.?.3	$C_{12}H_8ClO_3N_3$	....	110·5 u.c.	Laubenheimer	B., 9, 772	**30**, 295
Dichlorazoxybenzene	$ON_2(C_6H_4Cl)_2=(1.3)_2$	$C_{12}H_8Cl_2ON_2$	sb. 180	97	"	B., 8, 1624	**29**, 578
"	" "	"	....	114–115	Schultz	B., 17, 465	**46**, 903
" .... (Z. C. [1866], 269)	" $=(1.4)_2$	"	....	*155*	Hofmann and Geyger	B., 5, 916	
" ...	" "	"	....	155–156	Heumann	B., 5, 912	**26**, 167 ; vii., 150
"	" "	"	....	156	Willgerodt	B., 14, 2635	**42**, 396
"	" "	"	....	156	"	B., 15, 1004	
Dichlorazophenol	$N_2(C_6H_3Cl.OH)_2$	$C_{12}H_8Cl_2O_2N_2$	....	86	Schmidt & Benewitz	J. p. [2], 8, 1	**27**, 260 ; vii., 904
β-Dichlorquinone-m-nitraniline	$C_6H_2Cl_2O_2+C_6H_4.NH_2.NO_2$	$C_{12}H_8Cl_2O_4N_2$	....	112	Niemeyer	A., 228, 322	**48**, 1066
Nitrochlordiphenylamine	$Cl.NO_2.NHPh$=1.3.? or 1.?.3	$C_{12}H_9ClO_2N_2$	....	108·5 u. c.	Laubenheimer	B., 9, 772	**30**, 295
β-Dichlorquinone aniline....	$C_6H_2Cl_2O_2+Ph.NH_2$	$C_{12}H_9Cl_2O_2N$	....	154	Niemeyer	A., 228, 322	**48**, 1066
α- " "	"	"	....	180	"	"	"
Tetrachlorquinolaniline	$C_6Cl_4(OH)_2+Ph.NH_2$	$C_{12}H_9Cl_4O_2N$	....	115	"	"	"
Chloracet-α-naphthalide	$C_{10}H_7.NH.CO.CH_2Cl$	$C_{12}H_{10}ClON$	....	161	Tommasi	C. R., 76, 1267 ; B. S., 20, 20	**26**, 1040 ; vii., 845
Acetchlor-α-naphthalide	$C_{10}H_6Cl.NHAc$	"	....	184	Seidler	B., 11, 1201	**34**, 983
Dimethamido-chlor-α-naphthaquinone	$C_{10}H_4Cl(NMe_2)\colon O_2$	$C_{12}H_{10}ClO_2N$	....	85	Plagemann	B., 15, 487	**42**, 974
Ethamido-chlor-α-naphthaquinone	$C_{10}H_4Cl(NHEt)\colon O_2$	"	....	110	"	B., 15, 485	"
Nitrochlorphenamido-aniline	$C_6H_3Cl(NO_2).NH.C_6H_4.NH_2$ =1.4.5 ; 1.3	$C_{12}H_{10}ClO_2N_3$	....	150–151	Laubenheimer	B., 11, 1158	**34**, 976
Dinitrochlorphenolaniline	$C_6H_2Cl(NO_2)_2.OH+Ph.NH_2$	$C_{12}H_{10}ClO_5N_3$	....	137	Smith and Pierce	B., 13, 36	**38**, 392
Trichlorquinolaniline	$C_6HCl_3(OH)_2+Ph.NH_2$	$C_{12}H_{10}Cl_3O_2N$	....	60	Niemeyer	A., 228, 322	**48**, 1066
Dimethamidophenyltrichlormethylcarbinol acetate	$NMe_2.C_6H_4.CH(OAc).CCl_3$	$C_{12}H_{14}Cl_3O_2N$	....	84–85	Boessneck	B., 18, 1518	
Ethylic collidinedicarboxylate+HCl	$C_5NMe_3(CO_2Et)(CO_2H)$ +HCl	$C_{12}H_{16}ClO_4N$	....	178 d.	Michael	A., 225, 121	**48**, 61
Isophthalimidoethylether +2HCl	$C_6H_4[C(OEt)\colon NH_2Cl]_2$=1.3	$C_{12}H_{18}Cl_2O_2N_2$	....	a. 270 ; sf. 255	Luckenbach	B., 17, 1431	**46**, 1158
Ethylic aspartate+½HCl....	$(CO_2H.CH_2.CH(NH_2).CO_2Et)_2.HCl$	$C_{12}H_{23}ClO_8N_2$	....	199	Curtius and Koch	B., 18, 1294	**48**, 885
Nitrobenzoxytrichlornitrobenzene	$(O.CO.C_6H_4.NO_2).Cl_3.NO_2$ =1.2.4.6.5 ; 1.2	$C_{13}H_5Cl_3O_6N_2$	d. 245	106·1	Daccomo	B., 18, 1165	**48**, 890
"	" =1.2.4.6.5 ; 1.3	"	d. 290	146·3 c.	"	"	"
Nitrobenzoxytrichlornitrobenzene	$(O.CO.C_6H_4.NO_2).Cl_3$ =1.2.4.6 ; 1.3	$C_{13}H_6Cl_3O_4N$	....	131–132	"	"	"
Dinitrochlordiphenylamine carboxylic acid	$C_6H_2Cl(NO_2)_2.NH.C_6H_4.CO_2H$=4.6.2.1 ; 1.2	$C_{13}H_8ClO_6N_3$	....	254–256	Jourdan	B., 18, 1454	**48**, 989
" " "	$C_6H_3(NO_2)_2.NH.C_6H_3Cl.CO_2H$=4.2.1 ; 1.4.2	"	....	280–282	"	B., 18, 1450	**48**, 988
Dinitrodichlorcarbanilide	....	$C_{13}H_8Cl_2O_6N_4$	....	208–210	....	B. S., 32, 170	
Nitrochlorbenzanilide ...	$(CO.NHPh).Cl.NO_2$=1.4.3	$C_{13}H_9ClO_3N_2$	....	131	Raveill & Hübner	A., 222, 166	**46**, 601
Chlorbenznitranilide ...	$C_6H_4Cl.CO.NH.C_6H_4.NO_2$ =1.2 ; 1.4	"	....	180	Wilkens & Rack	"	**46**, 602
Dichlorbenzanilide ...	$(CO.NHPh).Cl_2$=1.2.3 or 5	$C_{13}H_9Cl_2ON$	....	240	"	"	**46**, 603
Diphenamidocarbonylchloride	$NPh_2.COCl$	$C_{13}H_{10}ClON$	....	85	Girard and Willm	B. S. [2], 25, 251	**30**, 99
"	"	"	B., 9, 397	85	Michler	B., 8, 1666	
Chlorbenzanilide	$(CO.NHPh).Cl$=1.2	"	....	114	Wilkens & Rack	A., 222, 166	**46**, 602
"	" =1.4	"	....	194	Emmerling	B., 8, 882	**28**, 1261

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diamidochlorhydroacridineketone	$CO.C_6H_3Cl.NH.C_6H_2(NH_2)_2$ =2.(4 or 6).1 ; ?.1.2.4	$C_{13}H_{10}ClON_3$	....	230	Jourdan	B., 18, 1453	**48**, 989
Nitrochlorphenyltoluidine	$C_6H_3Cl(NO_2).NH.C_6H_4Me$ =1.4.5 ; 1.4	$C_{13}H_{11}ClO_2N_2$	....	124	Laubenheimer	B., 11, 1157	**34**, 976
Chloranisidine picrate	$OMe.NH_2.Cl$=1.2.?	$C_{13}H_{11}ClO_8N_4$	....	200 d.	Herold	B., 15, 1686	**42**, 1287
Amidobenzophenone+HCl	$C_6H_4Bz.NH_3Cl$=1.3	$C_{13}H_{12}ClON$	....	187	Geigy and Königs	B., 18, 2401	**48**, 1236
Diamidochlordiphenylamine carboxylic acid	$C_6H_2Cl(NH_2)_2.NH.C_6H_4.CO_2H$=4.6.2.1 ; 1.2	$C_{13}H_{12}ClO_2N_3$	....	245 d. ; sf. 235	Jourdan	B., 18, 1455	**48**, 989
Dinitrodichlordiphenyltrichlorethane	....	$C_{14}H_7Cl_6O_4N_2$	....	143	Zeidler	B., 7, 1181	**28**, 148
Chlorphenylphthalimide	$C_6H_4:(CO)_2:N.C_6H_4Cl$ =1.2 ; 1.4	$C_{14}H_8ClO_2N$	....	194–195	Gabriel	B., 11, 2260	**36**, 323
Chlorbenztrinitrotoluide	$C_6H_4Cl.CO.NH.C_6HMe(NO_2)_3$=1.2 ; 4.1.2.3.?	$C_{14}H_9ClO_7N_4$	....	239	Schreib	B., 13, 467	**38**, 557
Chlorbenzdinitrotoluide	$C_6H_4Cl.CO.NH.C_6H_2Me(NO_2)_2$=1.2 ; 4.1.3.?	$C_{14}H_{10}ClO_5N_3$	....	228	"	B., 13, 466	"
Benzoyltrichlortoluide	$Me.Cl_3.NHBz$=1.(?)$_3$.3	$C_{14}H_{10}Cl_3ON$	....	213	....	A., 187, 279	
Chlorbenznitrotoluide	$C_6H_4Cl.CO.NH.C_6H_3Me.NO_2$ =1.2 ; 4.1.3	$C_{14}H_{11}ClO_3N_2$	....	139	Schreib	B., 13, 466	**38**, 557
Benzenylbenzoxime chloride	$Ph.CCl:N.O.CH_2Ph$	$C_{14}H_{12}ClON$	....	Liquid	Krüger	B., 18, 1058	**48**, 896
Chlorbenztoluide	$C_6H_4Cl.CO.NH.C_6H_4Me$ =1.2 ; 1.4	"	....	131	Schreib	B., 13, 465	**38**, 557
Dichlorazoxytoluene	$ON_2(C_6H_3Me.Cl)_2$=(1.2.?)$_2$	$C_{14}H_{12}Cl_2ON_2$	....	128	Hofmann and Geyger	B., 5, 919	**26**, 169
Chlorbenzamidotoluide	$C_6H_4Cl.CO.NH.C_6H_3Me.NH_2$=1.2 ; 4.1.3	$C_{14}H_{13}ClON_2$	....	153	Schreib	B., 13, 467	**38**, 557
Trichlordimethylaniline amidophenol	....	$C_{14}H_{13}Cl_3ON_2$	....	138–139	....	J. p. [2], 24, 440	
Benzylamidobenzoic acid +HCl	$CO_2H.(NH_2Cl.CH_2Ph)$=1.2	$C_{14}H_{14}ClO_2N$	....	104–106 u.c.	Claus & Glyckherr	B., 16, 1285	**44**, 1010
Dinitrobenzylamine+HCl	$NH_2Cl(CH_2.C_6H_4.NO_2)_2$	$C_{14}H_{14}ClO_4N_3$	....	173	Strakosch	B., 6, 1059	**27**, 78
" "	"	"	....	212	"	B., 6, 1057	"
δ-dichlordibenzylamine nitrate	$(C_6H_4Cl.CH_2)_2NH.HNO_3$	$C_{14}H_{14}Cl_2O_3N_2$	....	178	Berlin	A., 151, 141	vi., 338
γ- " "	"	"	....	193	"	"	"
β- " "	"	"	....	204	"	"	"
Diethylic pentachlorcollidinedicarboxylate dichloride	$C_8H_4Cl_5(CO_2Et)_2Cl_2N$	$C_{14}H_{14}Cl_7O_4N$	....	149–150	Hantzsch	A., 215, 19	**44**, 83
KCN on chloracetamide	....	$C_{14}H_{18}Cl_3O_5N_4$	....	120	Schiff & Speciale	G. I., 9, 325	**38**, 103
Hydrocotarnine ethochloride	$C_{12}H_{15}NO_3.EtCl$	$C_{14}H_{20}ClO_3N$	....	100	Beckett & Wright	....	**29**, 166
Chlorphthalimidylbenzyl....	....	$C_{15}H_{10}ClON$	....	230–232	Gabriel	B., 18, 1261	**48**, 903
α-Trichlortetracetdiamidotoluene	$Me.Cl_3.(NAc_2)_2$=1.2.4.5.3.6	$C_{15}H_{16}Cl_3O_4N_2$	....	220	Seelig	B., 18, 423	**48**, 770
?-hydrochloride	$NH_2ClPh.CH(OH).C_6H_4.O.CH_2.CO_2H$=1.2	$C_{15}H_{16}ClO_4N$	....	190–191	Rössing	B., 17, 2993	**48**, 388
Ethyleneamidophenoloxybenzoic acid+HCl	$NH_3Cl.C_6H_4.O.C_2H_4.O.C_6H_4.CO_2H$	"	....	177	Wagner	J. p. [2], 28, 199	**46**, 436
β-Naphthimidoisobutylether+HCl	$C_{10}H_7.C(:NH_2Cl).OBu^\beta$	$C_{15}H_{18}ClON$	....	140 d.	Pinner and Klein	B., 11, 1487	**36**, 48
Dichlordibenzylamine carbonate	$(C_6H_4Cl.CH_2.NH_3)_2CO_3$ =(1.4)$_2$	$C_{15}H_{18}Cl_2O_3N_2$	....	114–115	Jackson and Field	A.C.J., 2, 85	**40**, 804
Benzylphenyldimethammonium chloride	$NPhMe_2(CH_2Ph)Cl$	$C_{15}H_{20}ClON$	....	110	Michler and Gradmann	B., 10, 2079	**34**, 300
Chlor-α-naphthoquinonenitrosoanilide	$C_{10}H_4ClO_2.NH.C_6H_4.NO$ =1.4	$C_{16}H_9ClO_3N_2$	....	126	Plagemann	B., 15, 486 ; 16, 896	
Chlor-α-naphthoquinonenitranilide	$C_{10}H_4ClO_2.NH.C_6H_4.NO_2$ =1.3	$C_{16}H_9ClO_4N_2$	....	245	"	B., 15, 485	**42**, 973
" "	" =1.4	"	....	282	"	"	"
Benzochlorquinoline	$C_9H_5ClN.Bz$	$C_{16}H_{10}ClON$	....	264	Skraup	B., 15, 894	**42**, 1111

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlor-α-naphthoquinone-anilide	$C_{10}H_4ClO_2.NHPh$	$C_{16}H_{10}ClO_2N$	....	202	Knapp & Schultz	A., 210, 189	**42**, 511
" "	"	"	....	207–208	Plagemann	B., 15, 485	**42**, 973
Trinitrochlorbenzene-naphthalene	$C_{10}H_8+C_6H_2Cl(NO_2)_3$ =1.2.4.6	$C_{16}H_{10}ClO_6N_3$	....	95–96	Liebermann and Palm	B., 8, 378	
Dinitrochlorbenzene-naphthalene	$C_{10}H_8+C_6H_3Cl(NO_2)_2$=?.1.3	$C_{16}H_{11}ClO_4N_2$	....	78	Willgerodt	B., 11, 603	**34**, 570
Chlor-α-naphthoquinol-anilide	$C_{10}H_4Cl(OH)_2.NHPh$	$C_{16}H_{12}ClO_2N$	....	170–171	Knapp & Schultz	A., 210, 190	**42**, 511
?	....	$C_{16}H_{12}Cl_2O_2N_2$	....	110	Loeb	B., 18, 2427	
Trichlorethylidenedibenzamide	$CCl_3.CH(NHBz)_2$	$C_{16}H_{13}Cl_3O_2N_2$	....	257	Hepp and Spiess	B., 9, 1428	**31**, 314
Dinitroditolyltrichlorethane	fr. $CCl_3.CH(C_6H_4Me)_2$	$C_{16}H_{13}Cl_3O_4N_2$	....	121–122	Fischer	B., 7, 1192	**28**, 154
Anilidobutyranilide+HCl	$Ph.NH_2Cl.CHMe.CH_2.CO.NHPh$	$C_{16}H_{19}ClON_2$	....	206–207	Balbiano	B., 13, 313; G.I., 10, 137	**38**, 462, 542
Imidodiethylenephenyl-ether+HCl	$NH_2Cl(C_2H_4.OPh)_2$	$C_{16}H_{20}ClON$	....	213	Weddige	J. p. [2], 24, 241	**40**, 1137
Chlor-α-naphthoquinone-nitrotoluide	$C_{10}H_4ClO_2.NH.C_6H_4Me.NO_2$ =1.2.?	$C_{17}H_{11}ClO_4N_2$	....	230	Plagemann	B., 15, 487	**42**, 973
" "	" =1.4.?	"	....	236–240	"	"	"
Chlor-α-naphthoquinone-toluide	$C_{10}H_4ClO_2.NH.C_6H_4Me$=1.2	$C_{17}H_{12}ClO_2N$	....	152	"	B., 15, 487; A., 210, 191	"
" "	" =1.4	"	....	196	"	"	"
Benzoylhydrochlorcarvox-ime	$HCl.C_{10}H_{14}:N.OBz$	$C_{17}H_{20}ClO_2N$	....	114–115	Goldschmidt and Zürrer	B., 18, 2222	**48**, 1210
Trichlorcarbazole picrate....	$C_{12}H_6Cl_3N+C_6H_2.OH.(NO_2)_3$	$C_{18}H_9Cl_3O_7N_4$	....	100	Knecht	A., 202, 27	**38**, 661
Trichlorquinonedi-m-nitraniline	$C_6HCl_3O_2(C_6H_4.NH_2.NO_2)_2$	$C_{18}H_{13}Cl_3O_6N_4$	....	108	Niemeyer	A., 228, 322	**48**, 1066
α-Dichlorquinonedi-m-nitraniline	$C_6H_2Cl_2O_2(C_6H_4.NH_2.NO_2)_2$	$C_{18}H_{14}Cl_2O_6N_4$	....	110	"	"	"
(5th nitrophenol)$_3$+HCl	$(C_6H_4.OH.NO_2)_3.HCl$	$C_{18}H_{16}ClO_9N_3$	....	110	Fittica	J. p. [2], 24, 1	**42**, 51
β-Dichlorquinonedianiline	$C_6H_2Cl_2O_2.(C_6H_5.NH_2)_2$	$C_{18}H_{16}Cl_2O_2N_2$	....	262	Niemeyer	A., 228, 322	**48**, 1066
Trichlorquinoldianiline	$C_6HCl_3(OH)_2.(C_6H_5.NH_2)_2$	$C_{18}H_{17}Cl_3O_2N_2$	....	67	"	"	"
Dichlorquinoldianiline	$C_6H_2Cl_2(OH)_2.(C_6H_5.NH_2)_2$	$C_{18}H_{18}Cl_2O_2N_2$	....	112	"	"	"
?	....	$C_{18}H_{18}Cl_6O_4N_4$	....	190	Otto	....	iv., 737
Chlorquinoldianiline	$C_6H_3Cl(OH)_2.(C_6H_5.NH_2)_2$	$C_{18}H_{19}ClO_2N_2$	....	92	Niemeyer	A., 228, 322	**48**, 1066
PCl_5 and $POCl_3$ on codeïne	....	$C_{18}H_{19}Cl_2O_2N$	....	196–197	Gerichten	A., 210, 110	**42**, 312
PCl_5 on codeïne	....	$C_{18}H_{20}ClO_2N$	....	147–148	"	A., 210, 107	"
Chlorcodeïne (A., 77, 368)	....	$C_{18}H_{20}ClO_3N$	....	178	"	A., 210, 114	**42**, 313
?	....	$C_{18}H_{25}Cl_7O_7N_4$	....	214	Otto	....	iv., 737
?	....	$C_{18}H_{26}Cl_8O_7N_4$	....	157	"	....	"
Fluorenepicrylchloride	$C_{13}H_{10}+C_6H_2Cl(NO_2)_3$ =1.2.4.6	$C_{19}H_{12}ClO_6N_3$	....	69–70	Liebermann and Palm	B., 8, 378	
Benzoyldichlordiphenyl-amine	$NBz(C_6H_4Cl)_2$	$C_{19}H_{13}Cl_2ON$	....	149	Claus	B., 14, 2369	
"	"	"	....	*153–154* u.c.	Claus & Schaare	B., 15, 1286	
Methylapocinchene+HCl	$C_{18}H_{16}N.OMe+HCl$	$C_{19}H_{20}ClON$	....	198	Comstock and Königs	B., 18, 2381	
Cinchonidine chloride	....	$C_{19}H_{21}ClON_2$	....	108–109	"	B., 17, 1987	**46**, 1383
Hydrochlorapocinchonine	A., 205, 348	$C_{19}H_{23}ClON_2$	....	197	....	J. p. [2], 8, 282	
Hydrochlorapocinchon-idine	A., 205, 346	"	....	200	....	J. p. [2], 8, 283	
Hydrochlorapochinine	A., 205, 341	$C_{19}H_{23}ClO_2N_2$	....	160	....	J. p. [2], 8, 285	
Dinitroheptachlordi-naphthalene	fr. $C_{10}H_5Cl_3.C_{10}H_4Cl_4$(?)	$C_{20}H_7Cl_7O_4N_2$	....	104–106	Faust and Saame	A., 160, 72; Z. C. [2], 5, 705	**25**, 65; vi., 847
Dinaphthoquinonechlor-imide	$O_2:C_{10}H_5.C_{10}H_5.O.NCl$	$C_{20}H_{10}ClO_3N$	d. 130	85	Hirsch	B., 13, 1910	**40**, 164
Phenanthrenepicrylchlor-ide	$C_{14}H_{10}+C_6H_2Cl(NO_2)_3$ =1.2.4.6	$C_{20}H_{12}ClO_6N_3$	....	88	Liebermann and Palm	B., 8, 378	
Phenanthrenedinitrochlor-benzene	$C_{14}H_{10}+C_6H_3Cl(NO_2)_2$=1.3.5	$C_{20}H_{13}ClO_4N_2$	....	44	Willgerodt	B., 11, 604	**34**, 570

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acridylbenzoicacid+HCl	$C_{13}H_8N.C_6H_4.CO_2H+HCl$	$C_{20}H_{14}ClO_2N$	....	163	Bernthsen and Traube	B., 17, 1511	**46**, 1183
KCN on chloralbenzamide	J. [1879], 552	$C_{20}H_{14}Cl_4ON_4$	....	131	Schiff and Speciale	G. I., 9, 335	**38**, 103
Carbonyltriphenylguanidine+HCl	$NPh.CO.NPh.C:NPh+HCl$	$C_{20}H_{16}ClON_3$	....	190	Stojentin	J. p. [2], 32, 1	**48**, 1196
Diacetylchloranilidonaphthoquinol	$C_{10}H_4Cl(OAc)_2.NHPh$	$C_{20}H_{16}ClO_4N$	....	168–169	Knapp & Schultz	A., 210, 164	**42**, 511
Nartine hydrochloride	....	$C_{20}H_{17}ClO_6N_2$	....	275	Gerichten	B., 14, 314	**40**, 445
Aldehyde on chloral-ammonia	....	$C_{20}H_{20}Cl_8ON_6$	....	121	Schiff and Tassinari	B., 10, 1787	**34**, 23
?-Hydrochloride	....	$C_{20}H_{21}ClON_2$	....	112	Ostermeyer	B., 18, 595	**48**, 814
β-Dichlorquinoldi-p-toluidine	$C_6H_2Cl_2(OH)_2(C_6H_4Me.NH_2)_2$	$C_{20}H_{22}Cl_2O_2N_2$	....	72	Niemeyer	A., 228, 322	**48**, 1066
α- "	"	"	....	114	"	"	"
Quinidinechloride	....	$C_{20}H_{23}ClON_2$	....	131–132	Comstock and Königs	B., 18, 1223	**48**, 910
Quininechloride	....	"	....	151	"	B., 17, 1988	**46**, 1383
Chlorquinoldi-p-toluidine	$C_6H_3Cl(OH)_2.(C_6H_4Me.NH_2)_2$	$C_{20}H_{23}ClO_2N_2$	....	90	Niemeyer	A., 228, 322	**48**, 1066
Cinchonine hydrochloride	....	$C_{20}H_{25}ClON_2$	....	100	Bouchardat	....	i., 975
" "	A., 135, 326	"	....	*130*	Hesse	A., 122, 226	vi., 464
Homo-cinchonidinemethochloride	....	"	....	158 u.c.	Claus and Block	B., 13, 2192	**40**, 184
Quinine perchlorate	$C_{20}H_{24}O_2N_2.HClO_4$	$C_{20}H_{25}ClO_6N_2$	$+7H_2O$	45	....	....	v., 21
Benzoylchlorbenzdiamidotoluene	$C_6H_3Me.NHBz.(NH.CO.C_6H_4Cl)=1.3.4;\ 1.2$	$C_{21}H_{17}ClO_2N_2$	....	178	Schreib	B., 13, 468	**38**, 557
Dinitroamarine+HCl	$C_{21}H_{16}N_2(NO_2)_2.HCl$	$C_{21}H_{17}ClO_4N_4$	....	214 u.c.; d.	Claus and Witt	B., 18, 1673	
Dinitrostrychnine+HCl	$C_{21}H_{20}O_2N_2(NO_2)_2+HCl$	$C_{21}H_{21}ClO_6N_4$	....	abt. 40	Hanriot	C. R., 96, 585	**44**, 670
Trichlortribenzylamine +HCl	....	$C_{21}H_{23}Cl_4O_2N$	....	170–175	Berlin	A., 150, 137	vi., 338
Acetylhydrochlorapocinchonidine	....	$C_{21}H_{25}ClO_2N_2$	....	150	....	A., 205, 353	
Quinine methochloride	$C_{20}H_{24}O_2N_2.MeCl$	$C_{21}H_{27}ClO_2N_2$	....	181–182	Claus & Mallmann	B., 14, 77	**40**, 619
Tetranitro-α-dinaphthyldichlorethylene	....	$C_{22}H_{10}Cl_2O_8N_4$	....	213–214	Grabowski	B., 11, 301	**34**, 509
" -β- "	....	"	....	292–293	"	"	"
" -β-dinaphthyltrichlorethane	....	$C_{22}H_{11}Cl_3O_8N_4$	....	258	"	B., 11, 300	"
Chlorpyrene picrate	$C_{16}H_9Cl+C_6H_2.OH.(NO_2)_3$	$C_{22}H_{12}ClO_7N_3$	....	177–178 d.	Goldschmidt and Wegschneider	M. C., 4, 239	**44**, 1001
Dichlorquinone diethoxyanilide	$C_6Cl_2O_2(NH.C_6H_4.OEt)_2 =;\ (1.2)_2$	$C_{22}H_{20}Cl_2O_4N_2$	....	abt. 200	Schmidt and Andresen	J. p. [2], 24, 426	**42**, 400
Chloralquinine	$C_{20}H_{24}O_2N_2+CCl_3.COH$	$C_{22}H_{25}Cl_3O_3N_2$	....	149	Mazzara	G. I., 13, 269	**46**, 187
Benzoylchlor-β-naphthylphenylamine	$C_{10}H_6Cl.NPhBz$	$C_{23}H_{16}ClON$	....	152 u.c.	Claus & Richter	B., 17, 1592	**46**, 1358
Diacetylhydrochlorapoconchinine	....	$C_{23}H_{27}ClO_4N_2$	....	168	....	A., 205, 351	
Diacetylhydrochlorapoquinine	....	"	....	184	....	A., 205, 352	
Dianilidechlorphenylquinonimide	$C_6HCl(NHPh)_2.O.NPh$	$C_{24}H_{18}ClON_3$	....	195	Andresen	J. p. [2], 28, 422	**46**, 431
Hydrodimethylamarinemethochloride	$C_{21}H_{18}Me_2ON_2.MeCl$	$C_{24}H_{27}ClON_2$	....	168	Claus	B., 15, 2328	**44**, 203
Hydrotrimethylamarine +HCl	$C_{21}H_{17}Me_3ON_2.HCl$	"	....	204	"	"	"
Narceïne methochloride	$C_{23}H_{29}O_9N.MeCl$	$C_{24}H_{32}ClO_9N$	....	210 u.c.	Claus & Ritzfeld	B., 18, 1572	**48**, 997
Amylchloranthracene picrate	$C_{14}H_8Cl.C_5H_{11}+C_6H_3O_7N_3$	$C_{25}H_{22}ClO_7N_3$	....	108	Liebermann	A., 212, 1	**42**, 863
Diphenyldiazobenzenecarbamide+HCl	$CO(NPh.N:NPh)_2.2HCl$	$C_{25}H_{22}Cl_2ON_6$	....	101 d.	Saraw	B., 14, 2443	**42**, 507
Narceïne ethochloride	$C_{23}H_{29}O_9N.EtCl$	$C_{25}H_{34}ClO_9N$	....	170	Claus & Ritzfeld	B., 18, 1570	**48**, 996

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibenzoyldichlorazoxybenzene	$O(.NBz.C_6H_4Cl)_2$	$C_{26}H_{18}Cl_2O_3N_2$	....	125	Hofmann and Geyger	B., 5, 917	**26**, 169; vii., 151
Cinchonine benzylchloride	$C_{19}H_{22}ON_2+Ph.CH_2Cl$	$C_{26}H_{29}ClON_2$	$C_{27}H_{31}ClON_2$	248	Claus & Treupel	B., 13, 2295	**40**, 290
Nitrocholesterylchloride	....	$C_{26}H_{42}ClO_2N$	....	148–149	Preis & Raymann	B., 12, 225	**36**, 634
Benzoyldichlordi-β-naphthylamine	$NBz(C_{10}H_6Cl)_2$	$C_{27}H_{17}Cl_2ON$	....	203 u.c.	Claus & Richter	B., 17, 1594	**46**, 1358
Hydromethylbenzylamarine + HCl	$C_{21}H_{18}Me(CH_2Ph)ON_2.HCl$	$C_{29}H_{29}ClON_2$	....	205	Claus	B., 15, 2327	**44**, 203
Narceïne benzylchloride	$C_{23}H_{29}O_9N+Ph.CH_2Cl$	$C_{30}H_{36}ClO_9N$	....	162 u.c.	Claus & Ritzfeld	B., 18, 1572	**48**, 997
Cl on K-nitrocamphor	....	$C_{30}H_{43}Cl_2O_{11}N_3$	....	110	Schiff	G. I., 10, 21	**40**, 439
Ethylenediphenylcarbamide chloride	$CO(NPh.C_2H_4.NPh.COCl)_2$	$C_{31}H_{23}Cl_2O_3N_4$	....	167	Michler & Keller	B., 14, 2183	**42**, 182
Benzylcinchoninebenzylchloride	$C_{19}H_{21}(CH_2Ph)ON_2+Ph.CH_2Cl$	$C_{33}H_{35}ClON_2$	....	255 d.	Claus & Treupel	B., 13, 2296	**40**, 290
Ethyleneditolylcarbimide chloride	$CO[N(C_6H_4Me).C_2H_4.N(C_6H_4Me).COCl]_2=(1.4)_4$	$C_{35}H_{36}Cl_2O_3N_4$	....	155	Michler & Keller	B., 14, 2184	**42**, 183
?	$C_{32}H_{16}Cl_2O_7(NPh_2)_8$	$C_{128}H_{96}Cl_2O_7N_8$	....	228	Piutti	G. I., 14, 470	**48**, 783
Methylphosphinic chloride	$Me.POCl_2$	CH_3Cl_2OP	163	32	Hofmann	B., 6, 306	**26**, 884; vii., 957
Ethoxyphosphorous chloride	$EtO.PCl_2$	$C_2H_5Cl_2OP$	117	....	Menschutkin	A., 139, 344	**40**, 159
" "	"	"	*117·5c.*(768·5)	....	Thorpe	J. [1876], 205	**37**, 346
Ethylphosphinic chloride....	$Et.POCl_2$	"	170	....	Rathke	Z. C. [2], 6, 57	vi., 935
" "	"	"	175	Liquid	Michaelis	B., 13, 2175	**40**, 159
Dimethylphosphinic chloride	$Me_2PO.Cl$	C_2H_6ClOP	204	66	Hofmann	B., 6, 307	**26**, 884; vii., 957
Epichlorhydrin + PCl_3	$C_3H_5OCl+PCl_3$	$C_3H_5Cl_4OP$	133–140(100)	....	Hanriot	B. S. [2], 32, 552	**38**, 457
Dihydroxychloralphosphine	$(CCl_3.CHO)_2PH_3$	$C_4H_5Cl_6O_2P$	....	143	Girard	A. C. [6], 2, 1	**46**, 1119
?	$C_4H_5Cl_3O.PH_3$	$C_4H_8Cl_3OP$	....	96	"	"	"
Isobutylphosphinicchloride	$Bu^\beta.POCl_2$	$C_4H_9Cl_2OP$	154–156	....	Rathke	Z. C. [2], 6, 57	vi., 935
" "	"	"	154–156	J., 19, 487	Menschutkin	A., 139, 347	
?	....	$C_5H_{10}Cl_3OP$	134–140 (22)	Liquid	Fossek	M. C., 5, 627	**48**, 504
Isoamylphosphinic chloride	$C_5H_{11}.POCl_2$	$C_5H_{11}Cl_2OP$	173	....	Rathke	Z. C. [2], 6, 57	vi., 935
" "	"	"	173	J., 19, 487	Menschutkin	A., 139, 348	
Chlorphenoxyphosphinic chloride	$C_6H_4Cl.O.POCl_2=1.4$	$C_6H_4Cl_3O_2P$	265	Liquid	Kekulé	B., 6, 944	**26**, 1239; vii., 918
Phenylphosphinic chloride	$Ph.POCl_2$	$C_6H_5Cl_2OP$	*258*	....	Michaelis & Kammerer	A., 181, 301; B., 8, 1306	**29**, 597
" "	"	"	260 u.c.	Liquid	Michaelis	B., 6, 818	**27**, 169
Phenoxyphosphorus dichloride	$PhO.PCl_2$		216 p.d.	Liquid	Noack	A., 218, 85	**44**, 735
Phenoxyphosphinicchloride	$PhO.POCl_2$	$C_6H_5Cl_2O_2P$	241–243	Liquid	Jacobsen	B., 8, 1521	**29**, 596
Chlorphenylphosphoricacid	$C_6H_4Cl.O.PO(OH)_2=1.4$	$C_6H_6ClO_4P$	....	80–81	Barbaglia & Kekulé	B., 5, 877; 6, 944	**26**, 278
Diacetonephosphorous chloride	$PCl.O.CMe_2.CHAc$	$C_6H_{10}ClO_2P$	235	Liquid	Michaelis	B., 17, 1274	**46**, 991
" "	"	"	235 (745)	*35–36*	"	B., 18, 900	**48**, 747
" "	"	"	154 (100)	....	"	"	"
" trichloride	$PCl_3.O.CMe_2.CHAc$	$C_6H_{10}Cl_3O_2P$	....	115	"	B., 18, 901	"
?	....	$C_6H_{16}ClOP$	....	s. 127·5	Crafts and Silva	24, 637	vii., 954
Chlorcarbonylphenyl phosphoric oxide	$C_6H_4(O.PO_2).COCl=1.2$	$C_7H_4ClO_4P$	181 (11)	80	Anschütz	A., 228, 308	**48**, 1062
Benzophosphinic chloride....	$C_6H_4(POCl_2).COCl=1.4$	$C_7H_4Cl_3O_2P$	315	83	Michaelis & Panek	B., 14, 408	**40**, 604
Chlorcarbonylphenylphosphoric dichloride	$C_6H_4(O.POCl_2).COCl=1.2$	$C_7H_4Cl_3O_3P$	168 (11)	Liquid	Anschütz	A., 228, 308	**48**, 1062
Trichlortolylphosphinicacid	$C_6HCl_3Me.PO(OH)_2=(?)_3.1.4$	$C_7H_6Cl_3O_3P$	....	190·5	Michaelis and Lange	B., 8, 1315	**29**, 393
Tolylphosphinic chloride	$C_6H_4Me.(POCl_2)=1.4$	$C_7H_7Cl_2OP$	284–285	Liquid	Michaelis & Panek	A., 212, 217	**42**, 960

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Chlor-β-naphtholphosphoric acid	$C_{10}H_6Cl.O.PO(OH)_2$	$C_{10}H_8ClO_4P$	....	205	Claus and Zimmermann	B., 14, 1483	**40**, 915
Diphenoxyphosphorus chloride	$(PhO)_2PCl$	$C_{12}H_{10}ClO_2P$	295 (731)	Liquid	Noack	A., 218, 85	**44**, 735
Phenoxyphenylphosphinic chloride	$(PhO)PhPOCl$	„	a. 360	....	Michaelis	....	„
Diphenoxyphosphinic chloride	$(PhO)_2POCl$	$C_{12}H_{10}ClO_3P$	314–316(272)	....	Jacobsen	B., 8, 1522	**29**, 596
Phenoxydiphenylbenzylphosphonium chloride	$Ph.CH_2.PPh_2Cl.OPh$	$C_{25}H_{22}ClOP$	sf. 194	232–236 p.d.	Michaelis & Coste	B., 18, 2116	**48**, 1215
α-Distearylglycerolphosphinic chloride	$C_3H_5(OSt)_2.O.POCl_2$	$C_{39}H_{75}Cl_2O_6P$	....	24	Hundeshagen	J. p. [2], 28, 219	**46**, 281
Phosphosantonic chloride....	$PO(C_{15}H_{13}O_3Cl)_3$	$C_{45}H_{54}Cl_3O_{10}P$	....	198	Cannizzaro and Carnelutti	G. I., 10, 459; J. [1880], 895	**40**, 286
Arsenic trichloride+alcohol	$AsCl_3+C_2H_5.OH$	$C_2H_6Cl_3OAs$	148	Liquid	Luynes	C. R., 50, 831	vi., 217
Phenylarsinic chloride (A., 201, 202)	$Ph.AsOCl_2$	$C_6H_5Cl_2OAs$	d. 120	100	Michaelis	B., 10, 625	**32**, 452
Benzoylarsinic chloride	$Ph.CO.AsOCl_2$	$C_7H_5Cl_2O_2As$	....	157–158	....	A., 208, 16	
Tolylarsinic chloride	$C_6H_4Me(AsOCl_2)$=1.2	$C_7H_7Cl_2OAs$	....	?	....	A., 201, 253	
„ „	„ =1.4	„	....	69	....	„	
Dibenzylarsinedihydroxychloride	$(Ph.CH_2)_2AsCl(OH)_2$	$C_{14}H_{16}ClO_2As$	....	128	Michaelis & Pätow	B., 18, 43	**48**, 527
Tribenzylarsinehydroxychloride	$(Ph.CH_2)_3AsCl.OH$	$C_{21}H_{22}ClOAs$	....	162–163	„	B., 18, 44	„
Diphenyldichlorarsenic oxide	$O(AsCl_2Ph_2)_2$	$C_{24}H_{20}Cl_4OAs_2$	....	117	Coste & Michaelis	B., 11, 1886; A., 201, 230	**36**, 162
?	$SbCl_5+CH_3.OH$	CH_4Cl_5OSb	d. 130	81	Carleton Williams	B., 9, 1135	**30**, 465
?	$SbCl_5+C_2H_5.OH$	$C_2H_6Cl_5OSb$	d. on boiling	66–67	„	„	**30**, 463
?	$SbCl_5+(C_2H_5)_2O$	$C_4H_{10}Cl_5OSb$	....	*68–69*	„	„	**30**, 466
Ethylenechlorthiocyanate	$C_2H_4Cl.(S.CN)$	C_3H_4ClSN	202–203	Liquid—20	James	J. p. [2], 20, 352; 26, 378	**35**, 808
Thiocyanethylsulphinchloride	....	$C_3H_6ClS_2N$	....	a. 100	....	A., 153, 311	
α-Chlorallylthiocyanate (id. with following ?)	$CH_2:CCl.CH_2.S.CN$(?)	C_4H_4ClSN	180–181	Liquid	Henry	C. R., 95, 849; B., 15, 3085	**44**, 173
Chlorallylcarbimide	$C_3H_4Cl.N:CS$	„	*185*	Liquid	„	B., 5, 188	**25**, 479; vii., 50
α-Chlorallylthiocarbamide	$CH_2:CCl.CH_2.NH.CS.NH_2$	$C_4H_7ClSN_2$	....	*90–91*	„	„	vii., 50
α- „	„	„	....	90	„	C. R., 95, 849	**44**, 174
?	$\underline{C_6H_3Cl.N:N.S}$	$C_6H_3ClSN_2$	....	103·5	Beilstein and Kurbatow	A., 197, 82; B., 11, 2057	**36**, 231
Amidochlorphenylmercaptan	$SH.Cl.NH_2$=1.2.4	C_6H_6ClSN	....	129; *130*	Albert	B., 14, 1435, 1438	**40**, 902
Methenylamidothiophenol chloride	$\underline{C_6H_4.N:CCl.S}$=1.2	C_7H_4ClSN	248	Liquid	Hofmann	B., 12, 1127	
„ „	„ „	„	248	24	„	B., 13, 8–9	
Chlorphenylthiocarbimide	$C_6H_4Cl.(N:CS)$=1.3	„	249–250	Liquid	„	B., 13, 14	**38**, 388
„	„ =1.2	„	249–250	44–45	„	„	„
„	„ =1.4	„	....	40	Losanitsch	B., 5, 156	**25**, 511; vii., 1118
„	„ „	„	249–250	*44·5*	Hofmann	B., 13, 13	**38**, 388
„	„ „	„	....	45–47	Beilstein and Kurbatow	A., 176, 51; B., 7, 1490	**28**, 1200
Phenylthiocarbizine+HCl	$C_7H_6SN_2$+HCl	$C_7H_7ClSN_2$	....	240	Fischer and Besthorn	A., 212, 316	**42**, 1094
Chlorbenzylic thiocyanate	$C_6H_4Cl.(CH_2.S.CN)$=1.4	C_8H_6ClSN	....	17	Jackson & Field	A. C. J., 2, 85; B., 11, 905	**40**, 804
Benzylthiocarbamidine +HCl	$Ph.CH_2.S.C(:NH).NH_3Cl$	$C_8H_{11}ClSN_2$	....	166–168	Bernthsen and Klinger	B., 12, 574	**36**, 651

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Azothiodichlordithiophenol	$SN_2(C_6H_3Cl.SH)_2$	$C_{12}H_8Cl_2S_3N_2$	....	147	Beilstein and Kurbatow	B., 11, 2057; A., 197, 80	**36**, 231
Isophthalimidothioethylether+HCl	$C_6H_4[C(SEt):NH_2Cl]_2=1.3$	$C_{12}H_{18}Cl_2S_2N_2$	yellow 175	190	Luckenbach	B., 17, 1435	**46**, 1158
Dichlordiphenylthiocarbamide	$CS(NH.C_6H_4Cl)_2=(1.3)_2$	$C_{13}H_{10}Cl_2SN_2$	....	121–122	Hofmann	B., 13, 14	**38**, 388
,,	,, $=(1.2)_2$	,,	....	145–146	,,	,,	,,
,,	,, $=(1.4)_2$	,,	....	166	Losanitsch	B., 5, 156	**25**, 510; vii., 944
,,	,, ,,	,,	....	*168*	Hofmann	B., 13, 13	**38**, 388
,,	,, ,,	,,	....	168	Beilstein and Kurbatow	A., 176, 47; B., 7, 1489	**28**, 1200
Tolylimidotolylcarbaminethiomethyl+HCl	$C_6H_4Me.NH_2Cl.C(:N.C_6H_4Me).SMe=(1.4)_2$	$C_{16}H_{19}ClSN_2$	....	173	Will and Bielschowski	B., 15, 1310	
Tolylimidotolylcarbaminethiethylene+HCl	$C_6H_4Me.NHCl.C(:N.C_6H_4Me).S.C_2H_4=(1.4)_2$	$C_{17}H_{19}ClSN_2$	....	219	,,	B., 15, 1314	
Tolylimidotolylcarbaminethioethyl+HCl	$C_6H_4Me.NH_2Cl.C(:N.C_6H_4Me).SEt=(1.4)_2$	$C_{17}H_{21}ClSN_2$	....	180	,,	B., 15, 312	
Tetramethdiamidodiphenylthiocarbamide+2HCl	$CS(NH.C_6H_4.NMe_2)_2=(1.4)_2$	$C_{17}H_{24}Cl_2SN_4$	....	71	Baur	B., 12, 534	**36**, 628
Ethylthiophosphorus dichloride	$EtS.PCl_2$	$C_2H_5Cl_2SP$	172–175	Liquid	Michaelis	B., 5, 7; C. N., 25, 57	vii., 965
Phenylthiophosphinic chloride	$Ph.PSCl_2$	$C_6H_5Cl_2SP$	270 d. (o.p.); 205 (130)	Liquid	Köhler and Michaelis	B., 9, 1053; 13, 463	**30**, 525; **38**, 558
Diethylthioarsenic chloride	$(EtS)_2AsCl$	$C_4H_{10}ClS_2As$	150 d.	....	Claesson	B. S. [2], 25, 183	**31**, 585
Methylic cyanide+PCl_3	$MeCN.PCl_3$	$C_2H_3Cl_3NP$	72	....	Henke	A., 106, 281	ii., 258
Triphenylarsonium chloride	$3(Ph.NH_2).AsCl_3$	$C_{18}H_{21}Cl_3N_3As$	205–210	90	Schiff	J. p., 89, 226	iv., 474
Triphenylstibonium chloride	$3(Ph.NH_2).SbCl_3$	$C_{18}H_{21}Cl_3N_3Sb$	....	80	Schiff	J. p., 89, 226	iv., 474
Diiodobromacrylic acid	$CBrI:CI.CO_2H$	$C_3HBrI_2O_2$	....	160	Mabery & Lloyd	A. C. J., 3, 124	**40**, 1125
,, ,, ...	$CI_2:CBr.CO_2H$	,,	....	182	Homolka & Stolz	B., 18, 2282	**48**, 1198
Iododibromacrylic acid	$CBr_2:CI.CO_2H$ (?)	$C_3HBr_2IO_2$	....	139–140	Mabery & Lloyd	A. C. J., 4, 92	**42**, 1048
,, ,, ...	$CIBr:CBr.CO_2H$	,,	....	147	Homolka & Stolz	B., 18, 2282	**48**, 1198
Iodobromacrylic acid	$C_2HBrI.CO_2H$	$C_3H_2BrIO_2$	....	96	,,	,,	,,
,, ,, ...	,,	,,	....	110	Hill	B., 12, 660	**36**, 616
,, ,, ...	,,	,,	....	110	Mabery & Lloyd	A. C. J., 3, 165	**40**, 1124
Trimethylsulphinedibromiodide	Me_3SIBr_2	$C_3H_9Br_2IS$	....	94–95 p.d.	Dobbin and Masson	....	**47**, 57
Iododibromtoluidine	$Me.NH_2.Br_2.I=1.2.3.5.4$	$C_7H_6Br_2IN$	....	64	Wroblewsky	A., 192, 210; B., 9, 1055	**30**, 510; **34**, 978
Bromphenyltrimethylammonium iodide	$C_6H_4Br.(NMe_3I)=1.3$	$C_9H_{13}BrIN$	....	201	Wurster and Scheibe	B., 12, 1819	**38**, 108
,, ,,	,, $=1.4$	,,	....	185 d.	,,	B., 12, 1819, 1820	,,
Brombenzylquinoline diiodide	$C_9H_7N.C_7H_7Br.I_2$	$C_{16}H_{14}BrI_2N$	....	109–110 u.c.	Claus	B., 18, 1306	**48**, 908
Dibrom-α-thiophenic acid	$S.CO_2H.Br_2=1.2.(?)_2$	$C_5H_2Br_2O_2S$	....	209–211	Peter	B., 18, 544	**48**, 765
,, -α- ,, ,, ...	,, ,,	,,	identical (?)	212–213	Bonz	B., 18, 2310	**48**, 1206
,, -α- ,, ,, ...	,, ,,	,,	,,	220–221	,,	,,	,,

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibrom-β-thiophenic acid	$S.CO_2H.Br_2=1.3.(?)_2$	$C_5H_2Br_2O_2S$	identical (?)	220	Bonz	B., 18, 2306	
" -β- " "	" "	"	"	*222*	"	B., 18, 2308	**48**, 1206
Pentabrombenzenesulphonic acid	$C_6Br_5.SO_3H$	$C_6HBr_5O_3S$	....	190	....	A., 181, 226; 191, 205; 197, 306	
Tetrabrombenzenesulphonic acid	$Br_4.SO_3H=6.4.3.2.1$	$C_6H_2Br_4O_3S$	A., 181, 217	melts on Pt.	Reinker	A., 186, 299	**32**, 464
" "	" =5.4.3.2.1	"	A., 181, 45	168–169	Spiegelberg	A., 197, 292	**36**, 801
Tribrombenzenesulphonic acid	$Br_3.SO_3H=1.2.4.5$	$C_6H_3Br_3O_3S$	....	140	Limpricht	A., 191, 188	**34**, 493
" " (A., 186, 288, 303)	" "	"	....	140	Spiegelberg	A., 197, 282	**36**, 798
Tribrombenzenesulphonic acid	" "	"	$+3H_2O$	80	Limpricht	A., 191 188	**34**, 493
" "	" =1.3.5.4	"	....	145	"	A., 191, 193, 207	
" "	" "	"	$+H_2O$	100	Reinker	A., 186, 271	**32**, 461, 466
" "	" "	"	"	95	Limpricht	A., 191, 193, 207	**34**, 493
" "	" =1.3.4.5	"	....	?	....	A., 181, 39	
" "	" =1.2.3.5	"	....	?	....	A., 181, 29	
Methylic dibrom-α-thiophenate	$S.CO_2Me.Br_2=1.2.(?)_2$	$C_6H_4Br_2O_2S$	identical (?)	80·5	Bonz	B., 18, 2314	**48**, 1206
Methylic dibrom-β-thiophenate	" =1.3.(?)$_2$	"	"	80	"	"	"
Dibrombenzenesulphonic acid	$Br_2.SO_3H=1.2.4$	$C_6H_4Br_2O_3S$	anhydrous	*66·5–67·5*	Spiegelberg	A., 197, 263	**36**, 797
" "	" "	"	$+3H_2O$	67·5–68·5	"	"	"
" "	" "	"	"	57–58	Goslich	A., 186, 145, 148; B., 9, 1860	**31**, 595; **32**, 460
" " (M. C., 2, 193)	" =1.3.5	"	A., 181, 25, 201	84–86	Schmitt	A., 120, 129	
" acid	" =1.3.4	"	anhydrous	*110*	Limpricht	A., 191, 185, 232	**34**, 493
" "	" "	"	$+xH_2O$	80	"	"	
" "	" =1.4.5	"	anhydrous	132	Woelz	A., 168, 81	**26**, 1142
" "	" "	"	"	*128*	Borns	A., 187, 350	**32**, 768
" "	" "	"	"	128	Limpricht	B., 8, 1072	**29**, 82
" " (B., 10, 1539)	" "	"	"	124	"	A., 186, 129, 139	**32**, 460
" acid	" "	"	$+2H_2O$	*117*	Hübner & Williams	A., 167, 117; Z. C. [2], 7, 14	**24**, 1056; **26**, 1039; **vii.**, 154
" "	" "	"	$+3H_2O$	100	Limpricht	B., 8, 1072	**29**, 82
" "	" "	"	"	*99*	"	A., 186, 134	**32**, 460
" "	" "	"	"	98	Borns	A., 187, 350	**32**, 768
" "	" "	"	"	97	Bahlmann	A., 186, 312, 321	**32**, 608
" "	" =1.2.3	"	....	?	....	A., 188, 152	
Brombenzenesulphonicacid	$Br.SO_3H=1.2$	$C_6H_5BrO_3S$	B., 7, 1352	?	Richter	R. K. T., 117	
" "	" =1.3	"	B., 8, 819	?	"	"	
" "	" =1.4	"	B., 8, 594	88	"	"	
Brombenzoic acid sulphonylbromide	$CO_2H.Br.SO_2Br=?$	$C_7H_4Br_2O_4S$	....	182–184	Lennep	Z. C. [2], 7, 67	**vii.**, 1114
Thihydrobrombenzoic acid	$CO_2H.Br.SH=1.3.2$ or 6	$C_7H_5BrO_2S$	....	192–194	Frerichs	B., 7, 795	
" "	" = ?	"	....	242–243	Lennep	Z. C. [2], 7, 69	**24**, 371; **vii.**, 1115
" " ...	" =1.3.?	"	....	254–256	Upmann and Hübner	Z. C. [2], 6, 295	**24**, 371; **vii.**, 1115, 1155
Brombenzaldehydosulphinic acid	$COH.Br.SO_2H=1.4.?$	$C_7H_5BrO_3S$	....	131	Böttinger	A., 191, 26; B., 9, 1784	**31**, 468; **34**, 730
Brombenzoic sulphinic acid	$CO_2H.Br.SO_2H=1.4.?$	$C_7H_6BrO_4S$	slow heat	238–239 d.	"	"	**34**, 730
" "	" "	"	quick heat	245–248 d.	"	"	"
Toluenesulphonylbromide	$C_6H_4Me.SO_2Br=1.4$	$C_7H_7BrO_2S$	....	95–96	Otto	A., 142, 98	**v.**, 859
Bromphenylthioglycollic acid	$C_6H_4Br.S.CH_2.CO_2H$	$C_8H_7BrO_2S$	....	112	Claesson	B. S. [2], 23, 444	**29**, 567
Dibromxylenesulphonic acid	$Me_2.Br_2.SO_3H=1.3.4.6.2$	$C_8H_8Br_2O_3S$	....	165 d.	Jacobsen and Weinberg	B., 11, 1534	**36**, 61

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromphenylthiohydroxypropionic acid	$C_6H_4Br.S.CMe(OH).CO_2H$ =1.4	$C_9H_9BrO_3S$	....	114·5	Baumann	B., 18, 263	**48**, 514
Brombenzoic ethylic sulphonate	$CO_2H.Br.SO_3Et$=1.4.?	$C_9H_9BrO_5S$	....	84	Böttinger	A., 191, 19	**34**, 730
Bromnaphthalenesulphonylbromide	$Br.SO_2Br=a_1a_2$;	$C_{10}H_6Br_2O_2S$	....	114·5	....	B. S. [2], 28, 516	
Bromnaphthalenesulphonic acid	$Br.SO_3H$=?β	$C_{10}H_7BrO_3S$	....	62	Darmstädter and Wichelhaus	A., 152, 305	vi., 861
„ „	„ =?a	„	B. S., 28, 516	104	„	A., 152, 303	„
„ „	„ $=a_1a_2$;	„	„	137–139	„	„	„
„ „	„ „	„	B., 12, 1964	138-139	Otto and Morries	A., 147, 164	
Bromcymenesulphonic acid	$Me.Pr^{a}.Br.SO_3H=1.4.(?)_2$	$C_{10}H_{13}BrO_3S$	....	130–132	Paterno and Canzoneri	G. I., 11, 124	**40**, 594
Bromisocymenesulphonic acid	$Me.Pr^{\beta}.Br.SO_3H=1.3.(?)_2$	„	....	108–109	Kelbe	A., 210, 37	**42**, 300
Tetrabromoxysulphobenzide	B., 9, 1150	$C_{12}H_6Br_4O_4S$	....	278–279 d.	....	A., 172, 41	**31**, 796
Dibromsulphobenzide	$(C_6H_4Br)_2SO_2=(1.4)_2$	$C_{12}H_8Br_2O_2S$	....	168	Armstrong	Z. C. [2], 7, 321	**24**, 174
„	„ „	„	....	168	Nölting	B., 8, 594	
„	„ „	„	....	*172*	Beckurts & Otto	B., 11, 2065	**38**, 229
α-Dibromfluorene sulphonic acid	$fr.C_6H_4.CH_2.C_6H_4=(1.2)_2$	$C_{13}H_8Br_2O_3S$	....	142	Hodgkinson and Matthews	B., 16, 1103	**43**, 172
Dimethoxydibromsulphobenzide	$(C_6H_3Br.OMe)_2SO_2$	$C_{14}H_{12}Br_2O_4S$	....	166	....	A., 172, 48	
Diethoxydibromsulphobenzide	$(C_6H_3Br.OEt)_2SO_2$	$C_{16}H_{16}Br_2O_4S$	....	183	....	A., 172, 53	
Sulphotoluylenethylene	$(C_9H_{10}O_2S)_2.Br_3$	$C_{18}H_{20}Br_3O_4S_2$	....	95	....	A., 143, 219	
Diisoamyloxydibromsulphobenzide	$(C_6H_3Br.OC_5H_{11})_2SO_2$	$C_{22}H_{28}Br_2O_4S$	....	100	....	A., 172, 57	
Tribromnaphthalenedinaphthylsulphoxide	fr. $(C_{10}H_7)_2:S(:O):C_{10}H_6$	$C_{30}H_{17}Br_3OS$	....	182 u.c.	Ekstrand	B., 17, 2602	**48**, 170
Nitrodibrommethane ..	$CHBr_2.NO_2$	$CHBr_2O_2N$	155–160 d.	Liquid	Tscherniak	A., 180, 130; B., 7, 920	**27**, 1152; **29**, 901; vii., 894
Nitrobrommethane	$CH_2Br.NO_2$	CH_2BrO_2N	143–144	Liquid	„	„	„
Nitrodibromethylene	$CBr_2:CH.NO_2$	$C_2HBr_2O_2N$	....	112	Merz and Zetter	B., 12, 2047	**38**, 114
Tribromacetamide ...	$CBr_3.CO.NH_2$	$C_2H_2Br_3ON$	....	*119·5–121*	Guareschi	G. I., 6, 370	**31**, 458
„	„	„	....	119–121	Weidel & Gruber	B., 10, 1149	**32**, 779
„	„	„	....	120–121	Guareschi	B., 9, 1436	
Dinitrobromethane	$CH_3.CBr(NO_2)_2$	$C_2H_3BrO_4N_2$	....	Liquid—17	Meer	A., 181, 1	**30**, 186
Acetdibromamide	$CH_3.CO.NBr_2$	$C_2H_3Br_2ON$	....	100	Hofmann	B., 15, 413	
Dibromacetamide	$CHBr_2.CO.NH_2$	„	....	150–155	Demole	B., 11, 318	
„	„	„	....	154	Kessel	B., 11, 2116	
„	„	„	....	*156*	Schäffer	B., 4, 369	
„ (A.,122,121)	„	„	....	156	Steiner	B., 7, 506	**27**, 886
„ (B., 9, 1436)	„	„	....	156–157	Guareschi	G. I., 6, 370	**31**, 458
Nitrodibromethane	$CH_3.CBr_2.NO_2$	$C_2H_3Br_2O_2N$	162–164 u.c.	Liquid	Meyer & Wurster	B., 6, 96; 7, 1313	**26**, 611
„	....	„	165	....	....	A., 180, 114	vii., 895
Acetbromamide	$CH_3.CO.NHBr$	C_2H_4BrON	....	108	Hofmann	B., 15, 408	**42**, 951
„	„	„	$+H_2O$	70–80	„	„	„
Bromacetamide	$CH_2Br.CO.NH_2$	„	....	165	Kessel	B., 11, 2117	
Nitrobromethane	$CH_3.CHBr.NO_2$	$C_2H_4BrO_2N$	145–148	Liquid	Meyer & Wurster	B., 6, 95	**26**,611; **vii.**,895
„	....	„	*146–147*	....	Tscherniak	A., 180, 126; B., 7, 918	**27**, 1152; **29**, 901
Bromnitricglycol	....	$C_2H_4BrO_3N$	164–165	....	Henry	A. C. [4], 27, 243	
Bromacetylcyanide	$CH_2Br.CO.CN$	C_3H_2BrON	77–79	....	....	A., 131, 66	
Tribromacetylcarbamide....	$CBr_3.CO.NH.CO.NH_2$	$C_3H_3Br_3O_2N_2$	....	148	....	A., 130, 149	v., 960
β-Bromallylic nitrate (B., 5, 452)	$CHBr:CH.CH_2.O.NO_2$	$C_3H_4BrO_3N$	140–150	Liquid	Henry	B. S. [2], 18, 232	
Propiondibromamide	$CH_3.CH_2.CO.NBr_2$	$C_3H_5Br_2ON$	....	100	Hofmann	B., 15, 754	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrodibrompropane	$CH_3.CH_2.CBr_2.NO_2$	$C_3H_5Br_2O_2N$	184–186	Liquid	Meyer and Tscherniak	A., 180, 118; B., 7, 716	**27**, 982; **29**, 902; **vii.**, 897
Propionbromamide	$CH_3.CH_2.CO.NHBr$	C_3H_6BrON	....	80	Hofmann	B., 15, 753	**42**, 1052
Isonitrobrompropane	$Me.CBr(NO_2).Me$	$C_3H_6BrO_2N$	148–150	Liquid	Meyer and Tscherniak	A., 180, 117; B., 7, 715	**27**, 982; **29**, 902; **vii.**, 897
Nitrobrompropane	$Me.CH_2.CHBr.NO_2$	"	*155–160*	Liquid	"	"	"
"	"	"	160–165	....	....	A., 181, 19	
Dibrommaleïmide	$C_2Br_2:(CO)_2:NH$	$C_4HBr_2O_2N$	J. [1877], 706	225	Kisielinski	W. A., 74, 561	**34**, 43
"	"	"	....	225	Ciamician and Silber	G. I., 14, 31; B., 17, 556; 18, 1460	**46**, 1116; **48**, 993
Brommaleïmide (J. [1877], 706)	$C_2HBr:(CO)_2:NH$	$C_4H_2BrO_2N$	....	150–152	Kisielinski	W. A., 74, 561	**34**, 43
Brommaleinamide "	$C_2HBr(CO.NH_2)_2$	$C_4H_5BrO_2N_2$	....	168–175	"	"	**34**, 44
Dibromdiacetamide	....	$C_4H_5Br_2O_2N$	A., 133, 141	98	....	A., 142, 69	
Amidobromsuccinic acid	$C_2H_2Br(NH_2)(CO_2H)_2$	$C_4H_6BrO_4N$	....	140 u. c.	Claus	B., 15, 1851	
Erythroldinitrodibromhydrin	$C_4H_6Br_2(O.NO_2)_2$	$C_4H_6Br_2O_6N_2$	....	75	Champion	C. R., 73, 114; Z. C. [1871], 348	**24**, 811; **vii.**, 471
Bromalacetamide	$CBr_3.CH(OH).NHAc$	$C_4H_6Br_3ON$	...	158	Jacobsen and Neumeister	B., 15, 601	**42**, 938
"	"	"	....	160	Schiff and Tassinari	B., 10, 1787	**34**, 23
Brompropylenecarbamide	$C_3H_5Br:(NH)_2:CO$	$C_4H_7BrON_2$	....	120	Andreasch	M. C., 5, 33	**46**, 733
Dinitrobrombutane	$Me.CH_2.CH_2.CBr(NO_2)_2$	$C_4H_7BrO_4N_2$	....	Liquid	Züblin	B., 10, 2086	**34**, 285
Dinitrobromisobutane	$CHMe_2.CBr(NO_2)_2$	"	....	38	"	B., 10, 2088	"
Nitrodibromisobutane	$CHMe_2.CBr_2.NO_2$	$C_4H_7Br_2O_2N$	180–185	Liquid	Demole	A., 175, 149; B., 7, 792	**27**, 984; **28**, 563; **vii.**, 897
Nitrodibrombutane	$Me.CH_2.CH_2.CBr_2.NO_2$	"	203–204 c	Liquid	Züblin	B., 10, 2085	**34**, 284
Isobutyrobromamide ...	$CHMe_2.CO.NHBr$	C_4H_8BrON	....	92	Hofmann	B., 15, 755	**42**, 1052
Nitrobromisobutane	$CHMe_2.CHBr.NO_2$	$C_4H_8BrO_2N$	173–175 c.	Liquid	Züblin	B., 10, 2087; A., 175, 148	**34**, 284
Nitrobrombutane	$Me.CH_2.CH_2.CHBr.NO_2$	"	180–181 c.	Liquid	"	B., 10, 2085	"
Dibrompropylcarbamide	$CH_2Br.CHBr.CH_2.NH.CO.NH_2$	$C_4H_8Br_2ON_2$	....	109	Andreasch	M. C., 5, 33	**46**, 732
Bromallylcarbamide + HBr	$CHBr:CH.CH_2.NH.CO.NH_3Br$	"	....	158	"	"	"
Tribrom α-pyrrolinecarboxylic acid	$C_4NHBr_3.CO_2H$	$C_5H_2Br_3O_2N$	....	d.w.m. 140–150	Ciamician and Silber	G. I., 14, 162; B., 17, 1154	**46**, 1044; **48**, 247
Brompyromucamide	$C_4HBr.CO.NH_2$	C_5H_3BrON	....	146	Canzoneri and Oliver	G. I., 15, 113	**48**, 1144
Bromhydroxypyridine	N.OH.Br=1.2.?	"	....	206	Pechmann and Welsh	....	**47**, 151
Dibromhydroxypyridine	$N.OH.Br_2=1.2.(?)_2$	$C_5H_3Br_2ON$	....	206–207	Königs & Geigy	B., 17, 591	**46**, 1195
Tribromanhydropyvuril	....	$C_5H_3Br_3O_2N_4$	....	180 d.	....	A. C. [5], 11, 388	
Brom-β-hydroxypyridine....	No. of Br. atoms ?	C_5H_4BrON	....	58	Fischer & Renouf	B., 17, 764	**46**, 1050
Dibromdimethylmalonamide	$CBr_2(CO.NHMe)_2$	$C_6H_8Br_2O_2N_2$	....	162	Freund	B., 17, 785	**46**, 1124
Bromalurethane	$CBr_3.CH(OH).NH.CO_2Et$	$C_5H_8Br_3O_3N$	....	132	Bischoff	B., 7, 632	**27**, 891
Nitrodibromquinone	$C_6HBr_2(NO_2):O_2$	$C_6HBr_2O_4N$	....	244–246 d.	Guareschi and Daccomo	B., 18, 1174	**48**, 891
Dinitrotribrombenzene	$Br_3.(NO_2)_2$=1.2.4.3.5(?)	$C_6HBr_3O_4N_2$	....	125	Mayer	A., 137, 226	**vi.**, 269
" (J. [1875], 313)	" "	"	....	*135·6*	Körner	G. I., 4, 305	**29**, 225
" (J. [1879], 388)	" "	"	....	135·5	Panebianco	G. I., 9, 354	**38**, 105
" (J. [1875], 313)	" =1.2.3.4.5 or 6	"	....	*162·4*	Körner	G. I., 4, 305	**29**, 226
"	" =1.3.5.2.6	"	....	187	Jackson	B., 8, 1173	**29**, 390
" (J. [1875], 317)	" "	"	....	*192*	Körner	G. I., 4, 305	**29**, 227
"	" "	"	....	192	Wurster & Beran	B., 12, 1822	**38**, 106
Nitrotetrabrombenzene	$Br_4.NO_2$=1.3.4.5.6	$C_6HBr_4O_2N$	....	26; 60	Limpricht	A., 191, 202	
"	" "	"	....	88	Mayer	A., 137, 228	**vi.**, 269
"	" "	"	....	*96*	Richter	B., 8, 1424	**29**, 390
"	" "	"	....	96	Limpricht	A., 191, 175	**34**, 495
Diazodibromphenol	$C_6H_2Br_2.N_2.O=(?)_2.1.2$	$C_6H_2Br_2ON_2$	....	d. 100	Böhmer	J. p. [2], 24, 460	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diazodibromphenol	$C_6H_2Br_2.N_2.O$=(?)$_2$.1.4	$C_6H_2Br_2ON_2$	....	d. 137	Böhmer	J. p. [2], 24, 453	42, 397
"	" =2.6.1.4	"	....	d. 142	"	J. p. [2], 27, 108	
"	" =2.6.?.1	"	....	d. 145	"	J. p. [2], 24, 470	42, 398
"	" =2.6.?.1	"	....	d. 145	Möhlau	B., 15, 2493	
Dinitrodibrombenzene	$Br_2.(NO_2)_2$=1.4.2.6	$C_6H_2Br_2O_4N_2$	....	99–100	Austen	B., 9, 918; A.C.J. [1881], 184	30, 513
"	" =1.3.(?)$_2$	"	....	117·4	Körner	G. I., 4, 388; J. [1875], 333	29, 228; vii., 916
"	" =1.2.(?)$_2$	"	....	120	Austen	B., 8, 1183	29, 389
"	" =1.2.4.6(?)	"	....	158	"	"	"
"	" =1.4.2.3(?)	"	....	159	"	B., 9, 622	30, 406
Nitrotribrombenzene .... (J. [1875], 315)	$Br_3.NO_2$=1.3.4.6	$C_6H_2Br_3O_2N$	....	*93·5*	Körner	G. I., 4, 305	29, 223, 225
"	" "	"	....	95	Mayer	A., 137, 226	29, 390
" (J. [1875], 315)	" =1.2.3.5	"	....	111·9; *112*	Körner	G. I., 4, 305	29, 217, 226
" "	" =1.3.4.5	"	....	*119·5*	"	"	29, 226
"	" =1.3.5.6	"	....	124	Reinke	A., 186, 271	32, 462
"	" "	"	....	124–125	Limpricht	A., 191, 175	34, 494, 496
"	" "	"	....	124·5	Jackson	B., 8, 1172	29, 390
"	" "	"	....	124·5	Wurster & Beran	B., 12, 1821	38, 106
"	" "	"	....	125	Limpricht	B., 10, 1540	34, 221
" (J. [1875], 316)	" "	"	177 u.c. (11)	*125·1*	Körner	G. I., 4, 305	29, 227
"	" =1.3.4.2	"	....	w. m. 187	"	"	29, 226
Nitrotribromphenol	$OH.Br_3.NO_2$=1.2.4.6.3	$C_6H_2Br_3O_3N$	....	85	Linder	B., 18, 614	48, 775
"	" "	"	....	*89*	Daccomo	B., 18, 1167	48, 890
Pentabrompseudacetylpyrroline	$C_4Br_3(CO.CHBr_2)NH$	$C_6H_2Br_5ON$	....	200	Ciamician and Dennstedt	G. I., 13, 455	46, 292
Dinitrobrombenzene .... (J. [1877], 424)	$Br.(NO_2)_2$=1.3.4	$C_6H_3BrO_4N_2$	B., 11, 1159	59·4	Körner	G. I., 4, 305; J. [1875], 332	29, 208
"	" =1.2.4	"	....	69·5	Andrews	B., 13, 2129	
"	" "	"	....	70·634	Mills	P. R. [1881], 205	
"	" "	"	....	71·5	Spiegelberg	A., 197, 258	36, 796
" (J. [1870], 523)	" "	"	....	*72*	Kekulé	A., 137, 167	vi., 268
" (J. [1876], 383)	" "	"	....	72	Walker & Zincké	B., 5, 117	vii., 143, 908
"	" "	"	....	72	Zincké & Sintenis	B., 5, 791	26, 167
"	" "	"	....	72	Austen	B., 7, 1250	28, 165
"	" "	"	....	75·2	Körner	G. I., 4, 305	29, 211
"	" =?	"	....	87	Austen	B., 8, 1183	29, 389
Dinitrobromphenol	$OH.Br.(NO_2)_2$=1.4.2.6	$C_6H_3BrO_5N_2$	....	71	"	A. C. J., 3, 184; A. J. S. [3], 16, 46	36, 50
"	" "	"	....	75·6	Körner	G. I., 4, 305	28, 521; 29, 228; vii., 916
"	" "	"	....	76	"	G. I., 4, 387	vii., 905, 929
" (J. [1878], 550)	" "	"	....	76	Armstrong	....	28, 521
"	" "	"	....	78	Petersen	A., 157, 171	24, 252
"	" "	"	....	78	Körner	A., 137, 204	28, 520; 36, 50
" (J. [1877], 548)	" "	"	....	78	Armstrong	B., 7, 922, 924	25, 865; 27, 1164
" (J. [1875], 339)	" "	"	....	81·4; *85·6*	Körner	G. I., 4, 305	29, 217, 230
"	" =1.3.(?)$_2$	"	....	*91·5*	"	G. I., 4, 387; J. [1875], 340	29, 228, 231; vii., 905, 916, 929
"	" =?	"	....	108–110	Fittica	J. p. [2], 28, 176	46, 55
"	" "	"	....	110	Laurent	R. S., 6, 65	iv., 399
"	" "	"	....	110	Petersen	A., 157, 171	24, 252
"	" =1.2.4.6	"	....	114–115	Norton and Allan	B., 18, 1996	
"	" "	"	....	115	Hübner and Brencken	B., 6, 172	26, 751
"	" "	"	....	115	Post	B., 7, 335	27, 80
" (J. [1877], 548)	" "	"	....	116	Armstrong	....	28, 520

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrobromphenol .... (J. [1876], 448)	$OH.Br.(NO_2)_2$=1.2.4.6	$C_6H_3BrO_5N_2$	....	117	Armstrong and others	B., 6, 650; 7, 922, 924	25,860; 27,1164; 29, 477; vii., 910, 921
„	„ „	„	....	118	Rennie	....	41, 224
„ (Z.C. [1868], 324)	„ „	„	....	*118·2*	Körner	G. I., 4, 394; J. [1875], 335, 337	29, 228; vii., 915
Dinitrobromresorcinol	$(OH)_2.Br.(NO_2)_2$=1.3.(?)$_3$	$C_6H_3BrO_6N_2$	....	192·5	Typke	B., 16, 555	44, 917
„	„ „	„	B., 15, 1101	193	Fevre	C. R., 96, 790	44, 733
Nitrodibrombenzene	$Br_2.NO_2$=1.4.5 (?)	$C_6H_3Br_2O_2N$	....	Liquid	....	A. C. J. [1881], 184	
„	„ =1.2.4	„	296 c.	*58*	Riese	A., 164, 179; B., 2, 62	25, 304; 26, 64; vi., 263
„ (J. [1875], 305)	„ „	„	....	57·8; 58·6	Körner	G. I., 4, 305	29, 218
„	„ „	„	....	58	Meyer	B., 7, 1563	vii., 139
„	„ =1.3.4	„	....	60–61	Meyer and Stüber	B., 4, 960; 5, 52; 7, 1562	25, 304; vii., 139
„ (A., 165, 176)	„ „	„	....	61	Wurster and Grabenmann	B., 7, 419	27, 691
„	„ „	„	....	61	Richter	B., 8, 1423	
„	„ „	„	....	*61·6*	Körner	G. I., 4, 305; J. [1875], 306	29, 217; vii., 916
„ (J. [1875], 307)	„ =1.3.2	„	....	*82·6*	„	G. I., 4, 305	29, 218
„ (A., 133, 52)	„ =1.4.6	„	....	83·492	Mills	P. R. [1881], 205	
„ (A., 137, 168)	„ „	„	....	84	Couper	25, 304	vii., 139
„ (B., 5, 632)	„ „	„	....	84	Riese	A., 164, 176	26, 64
„	„ „	„	....	84	Richter	B., 8, 1422	vi., 263
„ (J. [1875], 308)	„ „	„	....	*85·4*	Körner	G. I., 4, 305	29, 216, 223
„ (J. [1877], 424)	„ =1.3.5	„	....	104·5	„	G. I., 4, 390; J. [1875], 307	29, 218; vii., 915
Nitrodibromphenol	$OH.Br_2.NO_2$=1.(?)$_2$:3	$C_6H_3Br_2O_3N$	....	91	Lindner	B., 18, 613	48, 775
„ (J. [1877], 548)	„ =1.2.4.6	„	....	117	Armstrong and Brown	B., 7, 923, 924	27, 1164; 28, 521
„ „	„ „	„	....	*117·5*	„ „	25, 860	vii., 915, 929
„	„ „	„	....	117	Brunck	Z. C. [2], 3, 203	
„ (Z.C. [1868], 323)	„ „	„	....	117–117·5	Goldstein	B., 11, 1944	36, 148
„	„ „	„	....	117–118	Körner	J. [1875], 336	24, 252
„	„ „	„	....	119	„	A., 137, 207; Z. C. [2], 21, 148	vi., 912
„	„ =1.2.6.4	„	....	132 u.c.	Armstrong and Brown	....	25, 860
„	„ „	„	....	141	Brunck	Z. C. [2], 3, 204	vi., 912
„	„ „	„	....	*141*	Armstrong and Brown	25, 875; 28, 521	vii., 915, 921, 929
„	„ „	„	....	141	Petersen	A., 157, 182	25, 864
„	„ „	„	....	141	Post	B., 7, 331	27, 800
„	„ „	„	....	141	Armstrong and Harrow	J. [1876], 448	29, 477
„	„ „	....	....	142	Lellmann and Grothmann	B., 17, 2731	48, 266
„ (A., 205, 95)	„ „	„	....	144	Post and Brackebusch	B., 7, 169	27, 476
Nitrodibromresorcinol	$(OH)_2.Br_2.NO_2$=1.3.4.6.2	$C_6H_3Br_2O_4N$	....	117	Weselsky and Benedikt	M. C., 1, 895	40, 727
„	„ =1.3.(?)$_3$	„	B., 16, 1101	d.w.m. 138	Fevre	C. R. 96, 790	44, 733
„	„ =1.3.(?)$_3$	„	....	147	Hazura	M. C. 4, 610	44, 1114
„	„ „	„	....	147	Weselsky	A., 164, 1	25, 1007; vii., 1043
Nitrosotribromoxindole	....	$C_8H_3Br_3O_2N_2$	sb. 190	162	....	....	vi., 736
Nitrotribromaniline	$NH_2.Br_3.NO_2$= ?	„	A., 137, 60	?	Griess	P. T. [1864], 709	
„	„ =1.(?)$_2$.4.3	„	....	102·5	Nölting & Collin	B., 17, 266	46, 1013
„	„ =1.2.4.6.3	„	....	102·5	Körner	G. I., 4, 305; J. [1875], 347	29, 210
„	„ =1.2.3.4.6	„	....	161·4	„	„	29, 217

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrotribromaniline	$NH_2.Br_3.NO_2$=1.2.4.6.3	$C_6H_3Br_3O_2N_2$	....	214–215	Remmers	B., 7, 351	27, 697
Nitrobrombenzene	$Br.NO_2$=1.2	$C_6H_4BrO_2N$	....	36–39	Richter	B., 4, 461	24, 688
„	„ „	„	....	37	„	B., 4, 55	24, 825
„	„ „	„	250–251	37–38	Hübner and Alsberg	Z. C. [2], 6, 369; A., 156, 316	25, 418; vii., 138, 143
„ (B., 6, 1545)	„ „	„	....	37–38	Zincke & Walker	B., 5, 115	vii., 908
„	„ „	„	....	37–38	Zincke and Sintenis	B., 5, 791; 6, 123	26, 640; vii., 947
„	„ „	„	....	38	Petersen	B., 6, 373	26, 1133
„	„ „	„	260–263	39–41·5	Andrews	B., 13, 2128	
„	„ „	„	....	41	Wurster	A., 173, 145	28, 758
„	„ „	„	....	40; 41	Augustin & Post	B., 8, 1557, 1559	29, 386
„ (G. I., 11, 396)	„ „	„	*261 c.*	*41–41·5*	Fittig & Mager	B., 7, 1179	26, 147
„ (J. [1875], 302)	„ „	„	....	43·1	Körner	G. I., 4, 305	29, 212, 234
„ (J. [1863], 423)	„ =1.3	„	....	56	Griess	P. T. [1864], 712; J. [1866], 457	iv., 416; vii., 138, 143
„	„ „	„	....	56	Richter	B., 4, 462	24, 688, 825
„	„ „	„	....	56	Petersen	B., 6, 371, 373	26, 1133
„	„ „	„	....	55–56	Wurster	B., 6, 1543; A., 173, 145	27, 369; 28, 757
„	„ „	„	....	56	Wurster and Grubenmann	B., 7, 417	27, 691
„ (B., 7, 870)	„ „	„	....	56	Wurster and Nolting	B., 7, 905	27, 1163
„	„ „	„	256·5 c.	56	Fittig & Mager	B., 8, 364	
„ (J. [1877], 423)	„ „	„	....	56	Johnson	B., 10, 1709	34, 142
„	„ „	„	....	*56·4*	Körner	G. I., 4, 305; J. [1875], 302	29, 208, 212, 219
„	„ =?	„	mixture	b. 90	Couper	A. C. [3], 53, 309; A., 104, 226	i., 543; iv., 416
„ (J. [1863], 423)	„ =1.4	„	....	120; 125	Griess	J. [1866], 457	24, 687; vi., 921
„	„ „	„	....	125	Zincke & Sintenis	B., 6, 123	26, 640
„	„ „	„	....	125	Richter	B., 4, 460; 555	24, 825; vii., 907, 925
„	„ „	„	....	125	Walker & Zincke	B., 5, 114	25, 418
„	„ „	„	....	125	Petersen	B., 6, 371, 373	26, 1133
„	„ „	„	....	125	Wurster	B., 6, 1544; A., 173, 145	27, 370; 28, 756
„ (A., 137, 166)	„ „	„	....	125-126	Griess	P. T. [1864], 712	iv., 416; vii., 138, 143
„	„ „	„	....	125·5	Körner	G. I., 4, 305; J. [1875], 302, 327	29, 209, 212, 217
„	„ „	„	....	126	Hofmann and Geyger	B., 5, 919	26, 169
„	„ „	„	....	126	Augustin & Post	B., 8, 1559	29, 386
„ (J. [1876], 370)	„ „	„	255–256	126–127	Fittig & Mager	B., 7, 1175	28, 147
„ (G. I., 11, 396)	„ „	„	....	127	Spiegelberg	A., 197, 257	36, 796
Brompyridinemono-(or di-) carboxylic acid (?)	„ „	„	$C_7H_4BrO_4N$ (?)	199 d.	Gerichten	A., 210, 79	42, 314
Nitrobromphenol	$OH.Br.NO_2$=1.3.6	$C_6H_4BrO_3N$	....	*44*	Laubenheimer	B., 11, 1160	34, 976
„	„ =1.4.6	„	....	87–88	Hübner and Brenken	B., 6, 170	26, 751; vii., 915, 929
„	„ „	„	....	*88*	Körner	G. I., 4, 305; J. [1877], 547	29, 228; vii., 905, 912
„	„ „	„	....	88	Armstrong and Brown	....	25, 865
„	„ „	„	....	88	Post	B., 7, 333	27, 800
„	„ „	„	....	88	Laubenheimer	B., 11, 1160	34, 976
„	„ „	„	....	88	Staedel & Damm	B., 11, 1750	36, 239
„ (Z.C. [1868], 323)	„ „	„	....	88	Brunck	Z. C. [2], 3, 203	
„ („)	„ =1.2.4	„	....	*102*	„	Z. C. [2], 3, 204	vi., 912

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrobromphenol	$OH.Br.NO_2=1.2.4$	$C_6H_4BrO_3N$	....	102	Armstrong and Brown	25, 865	vii., 915, 928
„	„ „	„	....	102	Post	B., 7, 333	27, 800
„	„ =1.?.3	„	....	110	Pfaff	B., 16, 612, 615	
„	„ =1.?.3	„	....	*147*	Lindner	B., 18, 612	48, 775
Bromhydroxynicotic acid	$N.OH.Br.CO_2H=1.3.?.6$	„	....	296	Pechmann	B., 17, 2399	48, 176
Nitrobromresorcinol	$(OH)_2.Br.NO_2=1.3.?.4$	$C_6H_4BrO_4N$	....	147	....	A., 164, 7	
Dinitrobromaniline	$NH_2.Br.(NO_2)_2=1.2.4.6$	$C_6H_4BrO_4N_3$	....	144	Körner	G. I., 4, 394; J. [1875], 350	29, 229; vii., 916
„	„ =?	„	....	153–154	Leymann	B., 15, 1235	
„	„ $=1.4.(?)_2$	„	....	160	Austen	B., 9, 919	30, 513
„	„ =?	„	....	165–170	„	B., 8, 1183	29, 389
„ (J. [1875], 333)	„ =?	„	....	178·4	Körner	G. I., 4, 305	29, 231
Nitrodibromaniline	$NH_2.Br_2.NO_2=?.1.4.?$	$C_6H_4Br_2O_2N_2$	....	75	Austen	B., 9, 622	30, 406
„	„ =1.2.4.6	„	....	123	Remmers	B., 7, 349	27, 697
„	„ „	„	....	*127·3*	Körner	G. I., 4, 394; J. [1875], 347	29, 210, 219, 229; vii., 915
„	„ =1.2.6.4	„	....	202·5	„	„	„
„	„ „	„	....	202–203	Balbiano	G. I., 14, 9	46, 1172
„	„ „	„	....	203–204	Hübner	B., 10, 1709	34, 142
„	„ „	„	....	204	Wurster & Nölting	B., 7, 1564	29, 389
„	„ „	„	....	*206–207*	Losanitsch	B., 15, 474	42, 955
Nitroethenylnitrofurfuranedibromide	....	$C_6H_4Br_2O_5N_2$	....	110–111	Priebs	B., 18, 1362	48, 971
Amidotribromphenol	$OH.Br_3.NH_2=1.2.4.6.3$	$C_6H_4Br_3ON$	....	115	Daccomo	B., 18, 1168	48, 891
Tribromacetopyrroline	....	„	....	179	Ciamician and Silber	B., 18, 1765	48, 1078
Methylic tribrom-a-pyrrolinecarboxylate	$C_4NHBr_3.CO_2Me$	$C_6H_4Br_3O_2N$	....	209–210	„	B., 17, 1153; G. I., 14, 162	46, 1044; 48, 247
Nitrobromaniline	$NH_2.Br.NO_2=1.2.4$	$C_6H_5BrO_2N_2$	....	104·5	Meyer and Wurster	B., 5, 633; 6, 1542	25, 1003; 27, 369; vii., 144
„	„ „	„	....	104·5	Hübner & Johnson	B., 10, 1709	
„ (J. [1875], 305, 350)	„ „	„	....	*104·5*	Körner	G. I., 4, 305	29, 219
„ (A., 171, 59)	„ =1.4.2	„	....	110	Hübner & Retschy	B., 6, 796	26, 1146
„ (J. [1875], 328, 347)	„ „	„	....	*111·4*	Körner	G. I., 4, 305	29, 217, 220
„	„ „	„	....	112	Remmers	B., 7, 347	27, 696
„ (A., 209, 357)	„ „	„	....	112	Wurster & Nölting	B., 7, 906	27, 1164
„	„ =1.4.5	„	....	131–132	Nölting & Collin	B., 17, 266	46, 1013
„	„ =1.3.6	„	....	149–150	Wurster	B., 6, 1544; A., 173, 145	27, 370; 28, 756
„	„ „	„	....	150	Wurster and Grubenmann	B., 7, 419	27, 691
„ (J. [1875], 307, 333, 348)	„ „	„	....	*151·4*	Körner	G. I., 4, 305	29, 209, 217
Bromnitrosooxindole	....	„	....	nf. 240	....	....	vi., 736
Amidodibromphenol	$OH.Br_2.NH_2=1.2.4.6$	$C_6H_5Br_2ON$	....	91–92	Hölz	J. p. [2], 32, 65	48, 1211
„	„ $=1.(?)_2.4$	„	....	178	Böhmer	J. p. [2], 24, 470	42, 398
„	„ „	„	....	180	Mohlau	B., 16, 2850	46, 594
„	„ =1.2.6.4	„	....	190	Lellmann and Grothmann	B., 17, 2731	48, 266
Dibrompseudacetylpyrroline	$C_4HBr_2Ac\colon NH$	„	....	143–144	Ciamician and Dennstedt	G. I., 13, 455	46, 291
Dibrommethoxypyridine....	$N.OMe.Br_2=?$	„	....	192	Hofmann	B., 12, 987	36, 733
„	„ „	„	....	192	Lieben and Haitinger	B., 17, 1507	46, 1196
„	„ „	„	....	196	„	M. C., 6, 279	48, 966
Amidobromphenol	$OH.Br.NH_2=1.4.6$	C_6H_6BrON	....	128	Schütt	J. p. [2], 32, 61	48, 1211
„	„ =1.2.4	„	....	158 u.c.	Hölz	J. p. [2], 32, 65	„
Brompseudacetylpyrroline	$C_4H_2BrAc\colon NH$	„	....	118–120	Ciamician and Dennstedt	G. I., 13, 455	46, 291

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrobromdiamidobenzene	$(NH_2)_2.Br.NO_2$=1.3.5.2	$C_6H_6BrO_2N_3$	....	d.w.m. 163; sf. 163	Körner	G. I., 4, 305; J. [1875], 353	29, 227
"	" =1.4.2.5	"	....	nf. 156	"	"	"
Dimethyldibrombarbituric acid	CO:(NMe.CO)$_2$:CBr_2	$C_6H_6Br_2O_3N_2$	....	175–180	Mulder	B., 12, 467	36, 619
Nitrate of bromoxy-base	$C_7H_7BrON_2+HNO_3$	$C_6H_8BrO_4N_3$	....	158 d.	Keller	J. p. [2], 31, 363	48, 961
Tetranitrodibromdulcitol....	$C_6H_4Br_2(NO_2)_4(OH)_4$	$C_6H_8Br_2O_{12}N_4$	....	100	....	A. C. [4], 27, 193	
Tetranitrodibrommannitol	"	"	....	148	Bouchardat	A. C. [5], 6, 127; B. S. [2], 19, 199	26, 748
Dibromdipropionamide	$NH(CO.C_2H_4Br)_2$	$C_6H_9Br_2O_2N$	.. .	148	....	A., 142, 71	
Nitrodibrombenzoic acid....	$CO_2H.Br_2.NO_2$=1.3.5.6	$C_7H_3Br_2O_4N$	....	162	Hübner and Angerstein	A., 158, 13	24, 365; vii., 162
" "	" =1.3.4.6	"	....	162	Hübner	B., 10, 1706	34, 149
" "	" "	"	....	*162*	Smith	A., 222, 166	46, 601
" "	" =1.3.5.6	"	....	*233–234*	Hesemann and Kochler	"	46, 600
Dinitrotribromtoluene	$Me.Br_3.(NO_2)_2$=1.2.4.6.3.5	$C_7H_3Br_3O_4N_2$	....	217–220	Neville & Winther	B., 13, 975	37, 451
Nitrotetrabromtoluene	$Me.Br_4.NO_2$=1.2.3.4.5.6	$C_7H_3Br_4O_2N$	....	212	"	....	"
"	" =1.2.3.5.6.4	"	...	213	"	....	"
"	" =1.2.3.4.6.5	"	....	215–216	"	....	"
Bromphenylic cyanate	$C_6H_4Br.(O.CN)$=1.4	C_7H_4BrON	226	39	Dennstedt	B., 13, 228	38, 633
Nitrobrombenzoic acid	$CO_2H.Br.NO_2$=1.3.6	$C_7H_4BrO_4N$	....	139–140	....	A., 143, 234; 149, 132	
" "	" "	"	....	140	Hübner & Friedburg	A., 158, 29	24, 366; vii., 162
" "	" "	"	....	140–141	Philipp	....	vi., 315
" "	" =1.3.5	"	....	161	Hesemann and Kochler	A., 222, 166	46, 599
" "	" =1.2.5	"	....	177–178	Burghard	B., 8, 560	28, 892
" "	" "	"	....	179–180	Rhalis	A., 198, 109	38, 119
" "	" =1.4.5	"	....	195	Hübner and Ohly	Z. C. [2], 1, 547; 2, 241	vi., 316
" "	" "	"	....	197–199	Bedson	B., 10, 531	32, 482; 37, 97
" "	" "	"	....	199	Hübner and Ohly	A., 143, 248	vi., 315
" "	" "	"	....	199	Burghard	B., 8, 558	28, 892
" "	" "	"	....	199	Raveill & Hübner	B., 10, 1707; A., 222, 166	46, 601
" "	" =1.3.2	"	....	246–248	Hübner and Ohly	A., 143, 238	vi., 315
" "	" "	"	....	250	Hübner & Friedburg	A., 158, 29	24, 366; vii., 162
Nitrobromsalicylic acid	$CO_2H.OH.Br.NO_2$=1.2.5.3	$C_7H_4BrO_5N$	....	175	Lellmann and Grothmann	B., 17, 2729	48, 265
" "	" =1.2.3.5	"	....	222	"	B., 17, 2725	"
Dinitrodibromtoluene	$Me Br_2.(NO_2)_2$=1.3.5.2.?	$C_7H_4Br_2O_4N_2$	....	105	Neville & Winther	B., 13, 967	37, 437
"	" =1.3.5.2.?	"	....	157·6–158	"	"	"
"	" =1.2.6.3.?	"	....	161·6–162·2	"	B., 13, 973	37, 446, 451
Nitrotribromtoluene	$Me.Br_3.NO_2$=1.2.3.6.?	$C_7H_4Br_3O_2N$	....	91–91·4	"	....	37, 451
"	" =1.2.3.5.?	"	....	95–170 (?)	"	....	"
"	" =1.2.5.6.4	"	....	105·8–106·8	"	B., 14, 418	39, 86
"	" =1.2.3.4.?	"	....	106–107	"	....	37, 451
"	" =1.2.3.6.?	"	....	215	Wroblewsky	A., 168, 195; Z. C. [2], 7, 271	24, 1062; 27, 54
Amidotribrombenzoic acid	$CO_2H.Br_3.NH_2$=1.2.4.6.3	"	....	169 d.	Beilstein and Geitner	Z. C. [2], 1, 505; A., 139, 6	vi., 317
" "	" "	"	....	170·5	Vollbrecht	B., 10, 1708	
Nitrosomethylnitrobrombenzene	$(CH_2.NO).Br.NO_2$=1.4.6	$C_7H_6BrO_3N_2$	....	151–153	Gabriel & Meyer	B., 14, 827	40, 730
Dinitrobromtoluene	$Me.Br.(NO_2)_2$=1.3.2.?	$C_7H_5BrO_4N_2$	....	103–104	Grete	A., 177, 258; B., 8, 567	28, 888; 29, 72
Dinitrobrommethoxybenzene	$OMe.Br.(NO_2)_2$=1.2.4.6	$C_7H_5BrO_5N_2$	....	47	Balbiano	G. I., 14, 234	48, 530

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrobrommethoxybenzene	OMe.Br.$(NO_2)_2$=1.3.(?)$_2$	$C_7H_5BrO_5N_2$	....	109·4	Körner	G. I., 4, 305; J. [1875], 341	**29**, 231; **vii.**, 916, 929
Dibrombenzamide....	$(CO.NH_2).Br_2$=1.3.4	$C_7H_5Br_2ON$	....	151–152	Burghard	B., 8, 560	**28**, 892
"	" "	"	....	151·5	Beutnagel	A., 222, 166	**46**, 601
Nitrobenzylidene dibromide	$CHBr_2.NO_2$=1.4	$C_7H_5Br_2O_2N$	A., 185, 268	82–82·5	Wachendorff	B., 9, 1346	**31**, 207
" "	" =1.3	"	A., 185, 279	101–102	"	B., 9, 1347	"
Nitrodibromtoluene	$Me.Br_2.NO_2$=1.2.3.4 or 6	"	....	*56·5–57·5*	Neville & Winther	37, 435	**39**, 86
" (J. [1870], 528; [1871], 450)	" "	"	....	59	Wroblewsky	A., 168, 188; Z. C. (2), 7, 209	**24**, 686; **27**, 54; **vii.**, 1165
"	" =1.2.6.4	"	....	56·8–57	Neville & Winther	37, 445	**39**, 86
"	" =1.3.4.5	"	....	62–63·6	"	B., 13, 974	**37**, 447; **39**, 86
" (B., 14, 419)	" =1.2.5.3	"	....	69·5–70	"	"	"
"	" =1.2.6.3	"	....	79	Wroblewsky	A., 168, 192; Z. C. (2), 7, 271	**24**, 1062; **27**, 54; **vii.**, 1165
"	" =1.2.4.6 (?)	"	....	78–80	Neville & Winther	....	**37**, 443, 451
"	" "	"	....	*80–81*	"	....	**39**, 86
"	" =1.3.4.2	"	....	*86·6–87·5*	"	B., 14, 419	**37**, 451; **39**, 86
"	" "	"	....	86–87	Wroblewsky	A., 168, 184	**27**, 53; **vii.**, 1165
" (J. [1870], 528; [1871], 450)	" =1.2.5.4	"	....	86–87	"	A., 168, 147; Z. C. (2), 7, 135	**24**, 564; **27**, 53; **vii.**, 1165
"	" "	"	....	87; *88–89*	Neville & Winther	B., 13, 974	**37**, 445, 451
"	" "	"	....	87–89	"	B., 14, 419	**39**, 86
"	" =1.2.3.5	"	....	105·4	"	B., 13, 965	**37**, 434
"	" =1.3.5.4	"	....	124	Wroblewsky	A., 168, 189; Z. C. (2), 7, 209	**24**, 686; **27**, 54; **vii.**, 1165
"	" =1.(?)$_2$.6	"	....	225–226	Wachendorff	B., 9, 1347	**31**, 207
"	" =1.3.4.6	"	....	?	Neville & Winther	B., 14, 417, 419	
Amidodibrombenzoic acid	$CO_2H.Br_2.NH_2$=1.3.5.6	"	....	196	Hübner	A., 158, 16; Z. C. (2), 7, 65	**24**, 365; **vii.**, 162
" " (A., 185, 281)	" =1.3.4.6 or 2	"	....	225	"	B., 10, 1706	**34**, 149
" acid	" "	"	....	225	Greiff	B., 13, 289	**38**, 648
" "	" "	"	....	225	Wachendorff	A., 185, 281	
" "	" "	"	....	225	Smith	A., 222, 166	**46**, 602
" "	" =1.3.5.6	"	....	225	Hessemann and Köchler	"	**46**, 600
" "	" =1.3.5.4	"	....	?	....	A., 139, 1	
Nitrodibrommethoxybenzene	$OMe.Br_2.NO_2$=1.2.4.6	$C_7H_5Br_2O_3N$	....	76·7	Körner	G. I., 4, 393; J. [1875], 337	**29**, 229; **vii.**, 915, 929
"	" =1.2.6.4	"	....	*122·6*	"	"	"
"	" "	"	....	122–123	Balbiano	G. I., 14, 9	**46**, 1172
"	" "	"	....	126–127	....	A., 217, 70	
Nitrodibromcresol	$Me.OH.Br_2.NO_2$=1.4.(?)$_2$.6	"	A., 215, 89	83	Knecht	B., 15, 1071	**42**, 969
"	" =1.2.(?)$_2$.4	"	....	91–92	Nölting & Collin	B., 17, 270	**46**, 1007
Nitrodibromorcinol	$Me.(OH)_2.Br_2.NO_2$ =1.3.5.2.(?)$_2$	$C_7H_5Br_2O_4N$	....	112 d.	Weselsky	B., 7, 444	**27**, 694
Formobromanilide	$C_6H_4Br.(NH.CHO)$=1.4	C_7H_6BrON	....	119	Dennstedt	B., 13, 234	**38**, 634
Brombenzamide	$C_6H_4Br.(CO.NH_2)$=1.3	"	....	150	Engler	B., 4, 707	**24**, 924
Nitrobenzylbromide	$CH_2Br.NO_2$=1.3	$C_7H_6BrO_2N$	A., 185, 278	57–58	Wachendorff	B., 9, 1347	**31**, 207
"	" =1.4	"	A., 185, 266	99–100	"	B., 9, 1346	"
Nitrobromtoluene....	$Me.Br.NO_2$=1.3.2	"	....	Liquid	Neville & Winther	B., 13, 1945	**37**, 630; **39**, 86
"	" =1.3.?	"	269	s. —20	Wroblewsky	A., 168, 170	**27**, 53
"	" =1.3.?	"	....	s. 15	Grete	A., 177, 231	**29**, 72
"	" =1.4.5	"	....	Liquid	Wroblewsky	B., 8, 571; J. [1870], 527	**28**, 888; **37**, 442
"	" "	"	255–256	Liquid —20	"	A., 168, 177; Z. C. [2], 7, 165	**27**, 53; **vi.**, 1104; **vii.**, 1167
" (B., 6, 799)	" "	"	....	30·6–32	Neville and Winther	....	**37**, 442
"	" "	"	....	*31–32*	"	B., 13, 972	**39**, 86
"	" "	"	....	33–34	Beilstein	A., 158, 344	**24**, 682

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrobromtoluene....	$Me.Br.NO_2$=1.4.6	$C_7H_6BrO_2N$	....	42	Richter	B., 8, 572	
"	" "	"	256–257	43	Heynemann	Z. C. [2], 6, 402	vii., 1167
"	" "	"	*256–257*	*43*	Wroblewsky and Kurbatoff	B., 8, 571; A., 168, 177; Z. C. [2], 7, 165	**27**, 53; **28**, 888; vi., 1104; vii., 1167
"	" "	"	....	44·4–45·2	Neville and Winther	37, 441	**39**, 86
"	" "	"	....	45	Heynemann	A., 158, 340	**24**, 681
"	" "	"	....	45·5	Hübner and Roos	B., 6, 799	**27**, 165
"	" =1.3.6	"	....	54–55	Grete	B., 8, 566; A., 177, 246	**28**, 887; **29**, 72
"	" "	"	*267*	*55*	Wroblewsky	A., 168, 178; B., 7, 1063	**27**, 53; **28**, 155
"	" "	"	....	55	Neville and Winther	....	**39**, 86
"	" =1.2.4	"	....	74–75	"	....	"
"	" =1.2.5	"	....	76·3	"	B., 14, 419	**37**, 431; **39**, 86
"	" =1.3.5	"	....	81–81·8	"	....	**39**, 86
"	" "	"	....	81·4–81·8	"	B., 13, 964	**37**, 433
"	" "	"	*269–270*	*86*	Wroblewsky	B., 8, 573; A., 192, 203	**28**, 886; **34**, 977
Amidobrombenzoic acid	$CO_2H.Br.NH_2$=1.3.2	"	....	171–172	Hübner	A., 143, 244; 149 134	vi., 317
" "	" =1.2.5	"	....	*175–177*	Burghard	B., 8, 560	**28**, 892
" "	" "	"	....	180	Richter	R. K. T., 159	
" "	" =1.3.6	"	....	208	Hübner	A., 143, 241; 149, 133	vi., 317
" "	" =1.3.5	"	....	215	Hesemann and Köchler	A., 222, 166	**46**, 600
" " (B., 10, 1707)	" =1.4.5	"	....	220–221	Burghard	B., 8, 558	**28**, 892
" "	" "	"	....	*225*	Raveill & Hübner	A., 222, 166	**46**, 601
Nitrobrommethoxybenzene	$OMe.Br.NO_2$=1.4.6	$C_7H_6BrO_3N$	....	87	Körner	G. I., 4, 305	**29**, 217
"	" "	"	....	88	Staedel	A., 217, 55	**44**, 662
"	" "	"	....	88	Staedel & Damm	B., 11, 1750	**36**, 239
"	" =1.?.3	"	....	103–104	Pfaff	B., 16, 614	
"	" =1.2.4	"	....	105	Balbiano	G. I., 14, 234	**48**, 530
"	" "	"	....	106	Staedel & Damm	B., 13, 838	**38**, 641
"	" "	"	....	106	Staedel	A., 217, 66	**44**, 662
Methylic bromhydroxynicotate	$N.Br.OH.CO_2Me$=1.?.2.5	"	....	221–222	Pechmann	B., 17, 2398	**48**, 176
Dinitrobrommethamidobenzene	$NHMe.Br.(NO_2)_2$=1.2.4.6	$C_7H_6BrO_4N_3$	....	147	Norton and Allen	B., 18, 1995	**48**, 1214
Nitrodibromtoluidine	$Me.NH_2.Br_2.NO_2$=1.3.2.6.4	$C_7H_6Br_2O_2N_2$	....	124–130	Neville and Winther	B., 13, 973	**37**, 444; **39**, 86
Brommethaniline nitrosamine	$NMe(NO).Br$=1.4	$C_7H_7BrON_2$	....	74	Wurster and Scheibe	B., 12, 1816	**38**, 107
Nitrobromtoluidine	$Me.NH_2.Br.NO_2$=1.4.3.5	$C_7H_7BrO_2N_2$	....	63; 64–65	Neville and Winther	B., 13, 968	**37**, 433; **39**, 86
"	" "	"	....	*64·5*	Wroblewsky	B., 8, 573; A., 192, 203	**28**, 886; **34**, 977
"	" =1.3.5.6	"	....	87–88	Neville and Winther	B., 13, 1945	**37**, 630; **39**, 86
"	" =1.3.2 or 6.4	"	....	102–103	"	B., 13, 972	**37**, 444
"	" =1.2.5.3	"	....	139	Wroblewsky	A., 192, 207	**34**, 977
"	" "	"	....	*143*	Neville and Winther	B., 13, 969	**37**, 433; **39**, 86
"	" =1.3.6.4	"	....	179–181	"	B., 13, 972	**37**, 444; **39**, 86
"	" =1.2.3.5	"	....	180·3–181·3 c.	"	B., 13, 964	**37**, 432; **39**, 86
Bromtheobromin	A., 215, 305; 217, 302	$C_7H_7BrO_2N_4$	....	310 s.d.	Fischer	B., 14, 644	**40**, 614
Dibromanisidine	$OMe.NH_2.Br_2$=1.2.4.6	$C_7H_7Br_2ON$	....	Liquid low temp.	Staedel and Damm	A., 217, 63; B., 11, 1750	**44**, 663; **38**, 641

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromanisidine .... (B., 13, 838)	$OMe.NH_2.Br_2=1.4.2.6$	$C_7H_7Br_2ON$	....	Crystalline	Staedel and Damm	A., 217, 63; B., 11, 1750	**44**, 663; **38**, 641
Bromanisidine „	$OMe.NH_2.Br=1.4.2$	C_7H_8BrON	....	Liquid	„	„	„
„ (36, 239)	„ $=1.2.4$	„	....	97–98	„	„	„
?	....	$C_7H_8Br_2O_3N_2$	....	204–205	Bell	B., 11, 1814	
Bromtoluidine nitrate	$Me.(NH_3NO_3).Br=1.4.5$	$C_7H_9BrO_3N_2$	....	182	Wroblewsky	A., 168, 147	**27**, 51
„ „	„ $=1.2.3$ or 5	„	....	183 d.	„	A., 168, 147; Z. C. [2], 7, 135	**24**, 564; **27**, 52
Bromhydroxylnitrodehydropiperylmethylurethane	$C_5H_7(NO_2)N(HOBr).CO_2Me$	$C_7H_{11}BrO_5N_2$	....	130	Boessneck	B., 16, 647	
Dibromisatin	$C_6H_2Br_2.CO.C(OH):N$ $=1.3.?.4$	$C_8H_3Br_2O_2N$	....	250	Baeyer and Œconimides	B., 15, 2098	**44**, 202
Tibromnitrosooxindole	....	$C_8H_3Br_3O_2N_2$	....	162	Baeyer and Knop	A., 140, 36	
Bromisatin....	$C_6H_3Br.C.C(OH):N=1.?.4$	$C_8H_4BrO_2N$	....	*250*	Baeyer and Blöm	B., 17, 965	**46**, 1026
„	„ „	„	....	255	Baeyer and Œconimides	B., 15, 2098	**44**, 202
Dibromisatoxime	$C_6H_2Br_2.C(NOH).C(OH):N$	$C_8H_4Br_2O_2N_2$	....	d.w.m. 255	Baeyer and Comstock	B., 16, 1709	**44**, 1131
Dibromnitrosodioxindole....	....	$C_8H_4Br_2O_3N_2$	....	275	Baeyer and Knop	A., 140, 25	vi., 735
Bromindazole carboxylic acid	$NH.N.C_6H_3Br.C.CO_2H$	$C_8H_5BrO_2N_2$	....	d.	Fischer and Tafel	A., 227, 303	**48**, 542
?	....	$C_8H_5BrO_4N_4$	....	d. 142	....	A. C. [5], 11, 420	
Dibromdioxindole....	....	$C_8H_5Br_2O_2N$	....	170	Baeyer and Knop	A., 140, 19	
Nitrodibromacetophenone	$NO_2.(CO.CHBr_2)=1.3$	$C_8H_5Br_2O_3N$	....	59	Engler	B., 18, 2240	**48**, 1223
„	fr. $NO_2.(CO.CH_2Br)=1.2$	„	....	85	Gevekoht	A., 221, 323	**46**, 445
Bromoxindole	....	C_8H_6BrON	....	176	Baeyer and Knop	A., 140, 32	vi., 736
Phenylbromnitroethylene	$Ph.CBr:CH.NO_2$	$C_8H_6BrO_2N$	....	67	Priebs	A., 225, 319	**48**, 161
Bromdioxindole	....	„	....	165	Baeyer and Knop	A., 140, 20	
Nitrophenylbromethylene (?)	$C_6H_4.NO_2.(CBr:CH_2)=1.2$	„ (?) $C_{16}H_{10}Br_2O_4N_2$		255	Morgan	B., 17, 222	**46**, 47
Nitrobromacetophenone	$NO_2.(CO.CH_2Br)=1.2$	$C_8H_6BrO_3N$	....	55	Gevekoht	A., 221, 323	**46**, 445
„	„ $=1.3$	„	....	96	Hannius	B., 10, 2008	**34**, 147
Nitrobromphenylaceticacid	$(CH_2.CO_2H).Br.NO_2=1.4.5$	$C_8H_6BrO_4N$	....	112–115	Bedson	B., 10, 530	**32**, 482
„ „	„ „	„	....	*113–114*	„	....	**37**, 97
„ „	„ „	„	mixture	130	Radziozewsky	B., 2, 208	
„ „	„ $=1.2.?$	„	....	162	Bedson	....	**37**, 101
„ „	„ $=1.4.6$	„	....	167–169	„	B., 10, 530	**32**, 482; **37**, 99
Nitrobromtoluic acid	$CO_2H.Me.Br.NO_2=1.3.(?)_2$	„	....	175–176	Fittig and others	A., 147, 34	vi., 1100
„ „	„ $=1.4.(?)_2$	„	....	170–180 d.	Landolph	B., 5, 268	**25**, 473; vii., 1175
„ „	„ $=1.4.5.?$	„	....	204–205	Fittica	A., 172, 303	**28**, 59
Bromapophyllic acid	....	„	....	204–205 d.	Gerichten	A., 210, 91	**42**, 314
Nitrobromanisic acid	$CO_2H.OMe.Br.NO_2=?$	$C_8H_6BrO_5N$	....	182	Balbiano	G. I., 14, 234	**48**, 530
Nitrodibromacetanilide	$NHAc.Br_2.NO_2=1.2.4.6$	$C_8H_5Br_2O_3N_2$	....	209	Remmers	B., 7, 348	**27**, 697
Nitrophenylnitroethylene dibromide	$NO_2.(CHBr.CHBr.NO_2)=1.2$	$C_8H_6Br_2O_4N_2$	....	90	Priebs	A., 225, 319	**48**, 161
„ „	„ $=1.4$	„	....	102	„	„	„
Tribromamidoacetophenone	$(CO.CHBr_2).Br.NH_2=1.3.6$	$C_8H_6Br_3ON$	....	140–145 d.	Baeyer and Blöm	B., 17, 967	**46**, 1027
Tribromacetanilide	$NHAc.Br_3=1.2.4.6$	„	....	232	Remmers	B., 7, 350	**27**, 697
Nitrotribromethoxybenzene	$OEt.Br_3.NO_2=1.(?)_3.3$	$C_8H_6Br_3O_3N$	....	79	Lindner	B., 18, 614	**48**, 775
Tribromdiazophenetoïl nitrate	$OEt.(N_2.NO_3).Br_3=1.2.(?)_3$	$C_8H_6Br_3O_4N_3$	....	d.w.m. 92	Möhlau and Œconimides	J. p. [2], 24, 476	**42**, 396
Bromterephthalamide	$(CO.NH_2)_2.Br=1.4.5$	$C_8H_7BrO_2N_2$	....	270	Fischli	B., 12, 620	**36**, 639
Nitrobromacetanilide	$NHAc.Br.NO_2=1.4.6$	$C_8H_7BrO_3N_2$	....	102	Remmers	B., 7, 347	**27**, 696
„ (A., 209, 356)	„ „	„	....	*104*	Hübner & Retschy	B., 6, 796	**26**, 1146
Nitroamidobromphenylacetic acid	$(CH_2.CO_2H).Br.NH_2.NO_2$ $=1.3.4.5$	$C_8H_7BrO_4N_2$	....	191–192	Gabriel	B., 15, 1994	**44**, 64
Dibromacetanilide....	$NHAc.Br_2=1.2.4$	$C_8H_7Br_2ON$	....	146	Remmers	B., 7, 348	**27**, 696

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenylnitroethylene dibromide	Ph.CHBr.CHBr.NO_2	$C_8H_7Br_2O_2N$	....	86	Erdmann	B., 17, 414	
Nitrostyrolene dibromide	NO_2.(CHBr.CH_2Br)=1.2	"	....	52 ; sf. 50	Einhorn	B., 16, 2214	46, 66
" "	" =1.4	"	....	72–73	Basler	B., 16, 3006	46, 604
" "	" =1.3	"	....	78–79	Prausnitz	B., 17, 598	46, 1175
Acetamidodibromphenol	OH.Br_2.NHAc=1.2.6.4	"	....	173–174	Hölz	J. p. [2], 32, 65	48, 1211
"	" =1.4.6.2	"	....	186	"	"	"
Nitrodibromxylene	Me_2.Br_2.NO_2=1.3.(?)$_3$	"	....	108	Fittig and others	A., 147, 28	vi., 295
"	" =1.4.5.(?)$_2$	"	....	111–112	"	"	"
Nitrodibromethoxybenzene	OEt.Br_2.NO_2=1.2.4.6	$C_8H_7Br_2O_3N$	....	46	Staedel	A., 217, 58	44, 663
"	" =1.2.6.4	"	....	108	"	A., 217, 67	"
"	" =1.(?)$_2$.3	"	....	110	Lindner	B., 18, 613	48, 775
Nitrodibromethoxyphenol	OH.OEt.Br_2.NO_2=1.3.2.6.4	$C_8H_7Br_2O_4N$	....	69	Weselsky and Benedikt	M. C., 1, 897	40, 727
Dibromdiazophenetoïl nitrate	OEt.(N_2.NO_3).Br_2=1.2.(?)$_2$	$C_8H_7Br_2O_4N_3$	....	d. 101·5	Möhlau and Œhmichen	J. p. [2], 24, 476	42, 396
Bromacetanilide	NHAc.Br=1.2	C_8H_8BrON	J. [1875], 342	99	Körner	G. I., 4, 305	29, 212
" (B., 7, 346)	" =1.4	"	....	165	Gürcke	B., 8, 1115	29, 400
" (J. [1875], 342]	" "	"	....	*165·4*	Körner	G. I., 4, 305	29, 212
"	" "	"	....	165·5	Kelbe	B., 16, 1200	44, 916
"	" "	"	....	167–168	....	A., 209, 355	
Bromphenylglycocine	Br.(NH.CH_2.CO_2H)=1.4	$C_8H_8BrO_2N$	....	98	Dennstedt	B., 13, 236	38, 634
Methylic bromphenylcarbamate	Br.(NH.CO_2Me)=1.4	"	....	124	"	B., 13, 229	38, 633
Acetamidobromphenol	OH.Br.NHAc=1.2.4	"	....	157 u.c.	Hölz	J. p. [2], 32, 65	48, 1211
"	" =1.4.2	"	golden	177 u.c.	Schütt	"	"
"	" "	"	white	179	"	"	"
Amidobromphenylacetic acid	(CH_2.CO_2H).Br.NH_2=1.4.5	"	....	133–134	Bedson	B., 10, 1658	34, 70 ; 37, 98
" "	" =1.3.4	"	....	135–136	Gabriel	B., 15, 840	42, 1070
" "	" =1.4.6	"	....	167 d.	Bedson	B., 10, 1658	34, 70; 37, 100
" "	" =1.2.?	"	....	186	"	"	"
Bromanisamide	($CO.NH_2$).OMe.Br=?	"	....	185·5	Crespi	G. I. [1881], 419	42, 192
Nitrobromxylene	Me_2.Br.NO_2=1.3.4.?	"	260–265 p.d.	Liquid	Fittig and others	A., 147, 31	vi., 294
Nitroethanediazobrombenzene	C_6H_4Br.N_2.C_2H_4.NO_2=1.4	$C_8H_3BrO_2N_3$	....	135–138 d.	Hallmann	B., 9, 393	30, 93
Bromethoxynitrobenzene	NO_2.(O.C_2H_4Br)=1.2	$C_8H_8BrO_3N$	....	38–40	Weddige	J. p. [2], 21, 129	38, 316
"	" "	"	....	*43·5*	"	J. p. [2], 24, 246	40, 1137
"	" =1.3	"	....	39	"	J. p. [2], 24, 255	40, 1139
"	" =1.4	"	....	62–63	"	J. p. [2], 21, 127	38, 316
"	" "	"	....	*63–64*	"	J. p. [2], 24, 254	40, 1130
Nitrobromethoxybenzene	OEt.Br.NO_2=1.4.6	"	....	43	Staedel	A., 217, 57	44, 663
" (A.C.J.,3,20)	" = "	"	....	47	Hallock	B., 14, 37	40, 595
"	" =1.2.4	"	....	55	"	"	"
"	" =1.?.3	"	....	57	Lindner	B., 18, 612	48, 775
"	" =1.2.4	"	....	98	Staedel	A., 217, 67	44, 663
"	" = ?	"	....	138	....	A. C. J., 3, 20	
Amidobromanisic acid	CO_2H.OMe.Br.NH_2 =1.4.2.3 or 6	"	....	185	Balbiano	G. I., 14, 234	48, 530
Nitrobromethoxyphenol	OH.OEt.Br.NO_2=1.3.?.4 or 6	$C_8H_8BrO_4N$	....	114	Weselsky and Benedikt	M. C., 1, 898	40, 727
Amidotribromethoxybenzene	OEt.Br_3.NH_2=1.(?)$_3$.2	$C_8H_8Br_3ON$	....	77	Möhlau	J. p. [2], 24, 481	42, 396
"	" =1.(?)$_3$.3	"	....	crystalline	Lindner	B., 18, 614	48, 775
Nitrosobromdimethaniline	NMe_2.Br.NO=1.3.?	$C_8H_9BrON_2$	....	148	Wurster & Scheibe	B., 12, 1819	38, 108
Diamidobromphenylacetic acid	(CH_2.CO_2H).Br.$(NH_2)_2$ =1.3.4.5	$C_8H_9BrO_2N_2$	....	195–200 d.	Gabriel	B., 15, 1995	44, 64
Bromcaffeïne (Z. C. [1867], 616)	M. C., 3, 90 ; A., 215, 264	$C_8H_9BrO_2N_4$	....	206	Fischer	B., 14, 639	40, 614
Amidodibromethoxybenzene	OEt.Br_2.NH_2=1.(?)$_2$.3	$C_8H_9Br_2ON$	....	L. b. 0	Lindner	B., 18, 613	48, 775

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Amidodibromethoxybenzene	$OEt.Br_2.NH_2$=1.3.5.6	$C_8H_9Br_2ON$	....	52·5	Möhlau	J. p. [2], 24, 479	**42**, 396
"	" =1.2.6.4	"	....	67	Staedel	A., 217, 71	**44**, 663
"	" =1.2.4.6	"	....	92	"	A., 217, 65	"
Dibrommethylpseudolutidostyril	fr. NMe.CO.CH:CMe.CH:C Me	"	....	173	Hantzsch	B., 17, 1030, 2907	**46**, 1047
Amidobromethoxybenzene	$OEt.Br.NH_2$=1.?.3	$C_8H_{10}BrON$	....	Liquid	Lindner	B., 18, 612	**48**, 775
"	" =1.2.4	"	....	Liquid	Staedel	A., 217, 69	**44**, 663
"	" =1.4.2	"	....	57	"	A., 217, 62	"
Bromhydroxylnitrodehydropiperylurethane	$C_5H_7(NO_2)N(HOBr).CO_2Et$	$C_8H_{13}BrO_5N_2$	....	157	Schotten	B., 16, 646	**44**, 814
Bromhydroxylbromdehydropiperylurethane	$C_5H_7BrN(HOBr).CO_2Et$	$C_8H_{13}Br_2O_3N$	....	140	"	B., 16, 648	**44**, 811
Dibromethylidenediurethane	fr. $CH_2Br.CH(NH.CO_2Et)_2$	$C_8H_{14}Br_2O_4N_2$	....	115–116	Bischoff	B., 5, 86	**25**, 412; vii., 411
Bromethylidenediurethane	$CH_2Br.CH(NH.CO_2Et)_2$	"	....	142	"	B., 5, 85	"
?	....	$C_9H_4Br_6O_6N_4$	....	250 d.	Grimaux	C. R., 80, 828	**28**, 753
Nitrobromquinoline	N.Br=a_1 ; β_2	$C_9H_6BrO_2N_2$	....	133	Coste	B., 15, 1918	**44**, 91
"	" = ?	"	....	133	"	B., 15, 1919	"
Dibromhydroxyquinoline	N.OH=a_1 ; a_1	$C_9H_5Br_2ON$	....	193–195	Bedall & Fischer	B., 14, 1367	
"	" = "	"	....	195–196	....	M. C., 3, 543	
Dibromphenylmethylacetoxime-o-carboxylic anhydride	$C_6H_2Br_2.CO_2.N:CMe$	$C_9H_5Br_2O_2N$	....	223–223·5	Gabriel	B., 16, 1996	**44**, 1128
Nitrodibromcinnamic acid	$NO_2.(CBr:CBr.CO_2H)$=1.4	$C_9H_5Br_2O_4N$	....	179–180	Drewsen	A., 212, 157	**42**, 84
Bromhydroxyquinoline	N.OH=a_1 ; β_2	C_9H_6BrON	....	184–185	Skraup	M. C., 3, 554	**44**, 94
"	N.OH.Br=$a_1\beta_1a_2$;	"	....	266–267	Friedländer	B., 15, 1425, 2682	**42**, 1209
"	" "	"	....	266	Baeyer and Blöm	B., 15, 2149	**44**, 196
"	....	"	....	272–273 d.	Skraup	M. C., 3, 566	
Methylbromisatin....	$C_6H_3Br.CO.C(OMe):N$	$C_9H_6BrO_2N$	....	147	Baeyer & Œconimides	B., 15, 2095	**44**, 201
Nitrobromcinnamaldehyde	$NO_2.(C_2HBr.COH)$=1.3	$C_9H_6BrO_3N$	....	90	Kinkelin	B., 18, 485	**48**, 791
"	$NO_2.(CBr:CH.COH)$= ?	"	....	96–97	Zincke & Hagen	B., 17, 1817	**46**, 1344
"	" = ?	"	....	136	" "	B., 17, 1816	"
Nitrobromcinnamic acid	$NO_2.(C_2HBr.CO_2H)$=1.4	$C_9H_6BrO_4N$	....	146	Müller	A., 212, 137	**42**, 842
" "	" =1.4	"	....	205	"	A., 212, 135	"
Propionyltribromnitrophenol	$O(C_3H_6O).Br_3.NO_2$=?	$C_9H_6Br_3O_3N$	....	70–71	Guareschi and Daccomo	B., 18, 1174	**48**, 891
Hexabrommalolacturil	....	$C_9H_6Br_6O_6N_4$	....	250 d.	....	A. C. [5], 11, 406	
Bromindazoleacetic acid	....	$C_9H_7BrO_2N_2$	....	200 d.	Fischer and Tafel	A., 227, 303	**48**, 542
Nitrophenyldibrompropionic acid	$NO_2.(CHBr.CHBr.CO_2H)$ =1.2	$C_9H_7Br_2O_4N$	....	180	Baeyer	B., 13, 2258	**40**, 275
" "	" =1.4	"	....	217–218	Drewsen	A., 212, 151	**42**, 846
p-Bromhydrocarbostyril	N.OH=$a_1\beta_1$;	C_9H_8BrON	....	178	Gabriel and Zimmermann	B., 13, 1683	**40**, 274
Acetamidobrombenzoic acid	$CO_2H.Br.NHAc$=1.3.2 or 6	$C_9H_8BrO_3N$	....	214–215	Jackson	B., 14, 886	**40**, 735
Nitrophenylbrompropionic acid	$NO_2.(CHBr.CH_2.CO_2H)$=1.2	$C_9H_8BrO_4N$	....	139–140	Einhorn	B., 16, 2209	**46**, 65
" "	" =1.4	"	....	170–172 d.	Basler	B., 16, 3002	**46**, 603
Ethylic nitrobrombenzoate	$CO_2Et.Br.NO_2$=1.3.6 or 2	"	....	55	Hübner and Ohly	A., 143, 238	vi., 315
" "	" =1.2.5	"	....	65–66	Rhalis	A., 198, 111	**38**, 119
" "	" =1.?.4	"	....	70	Hübner and Ohly	A., 143, 250	vi., 316
" "	" =1.4.5	"	....	74	"	"	"
" "	" =1.3.2 or 6	"	....	80	"	A., 143, 241	"
Methylic nitrobromphenylacetate	$(CH_2.CO_2Me).Br.NO_2$=1.4.5	"	....	40–41	Bedson	....	**37**, 98
" "	" =1.4.6	"	....	66–68	"	....	**37**, 100
Nitrobromhydrocinnamic acid	$(C_2H_4.CO_2H).Br.NO_2$=1.4.5	"	....	90–95	Gabriel and Zimmermann	B., 13, 1684	**40**, 274
" "	" =1.4.6	"	....	141–142·5	"	B., 13, 1682	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromamidodihydro-carbostyril	$N.OH.H_2.NH_2{=}\alpha_1\beta_1\beta_2\alpha_2;\ \beta_1$	$C_9H_8Br_2ON_2$	....	179	Gabriel and Zimmermann	B., 12, 603	36, 640
Nitrophenylmethoxydibromnitroethane	$NO_2.[CH(OMe).CBr_2.NO_2]=1.3$	$C_9H_8Br_2O_5N_2$	....	145–146	Friedländer and Lazarus	A., 229, 233	48, 1138
Acetamidotribromtoluene	$Me.Br_3.NHAc=1.2.3.4.5$	$C_9H_8Br_3ON$	....	171–173	Neville&Winther	B., 13, 975	37, 447; 39, 86
"	" =1.2.3.6.5	"	....	179–181	"	B., 13, 974	"
Bromamidodihydrocarbostyril	$N.OH.H_2.NH_2{=}\alpha_1\beta_1\beta_2\alpha_2;\ \beta_1$	$C_9H_9BrON_2$	....	218–219	Gabriel and Zimmermann	B., 12, 603	36, 640
Acetamidonitrobromtoluene	$Me.Br.NHAc.NO_2=1.3.4.5$	$C_9H_9BrO_3N_2$	....	210·5	Wroblewsky	B., 8, 573; A., 192, 202	28, 886; 34, 977
"	" "	"	....	210·5	Neville&Winther	....	39, 86
Dinitrobrommesitylene	$Me_3.Br.(NO_2)_2=1.3.5.2.4.6$	$C_9H_9BrO_4N_2$	....	189–190	Fittig and Storer	A., 147, 8	vi., 299
"	" "	"	....	194	Sussenguth	A., 215, 248	44, 470
Dinitrobromcumene	" =?	"	....	214–215	Fittig and Storer	A., 147, 14	
Acetamidodibromtoluene....	$Me.Br_2.NHAc=1.2.5.3$	$C_9H_9Br_2ON$	....	144–145	Neville&Winther	B., 13, 974	37, 448; 39, 86
"	" =1.(?)$_2$.3	"	....	154	Wroblewsky	A., 168, 147	27, 54; vii., 1177
"	" =1.3.4.5	"	....	162–163	Neville&Winther	B., 13, 975	37, 447; 39, 86
"	" =1.2.4.5	"	....	168–168·6	"	B., 13, 971	37, 440, 443
"	" =1.2.3.5	"	....	204–205	"	B., 13, 964	37, 434; 39, 86
Phenylnitropropylene dibromide	$Ph.CHBr.CBrMe.NO_2$	$C_9H_9Br_2O_2N$	....	77–78·5	Priebs	A., 225, 319	48, 162
Acetmethamidobrombenzene	$NMeAc.Br=1.4$	$C_9H_{10}BrON$	....	99	Wurster and Scheibe	B., 12, 1818	
Acetamidobromtoluene	$Me.Br.NHAc=1.4.5$	"	....	113·7–114·6	Neville&Winther	B., 13, 972	37, 443; 39, 86
"	" =1.3.4	"	....	117·5	"	....	39, 86
"	" "	"	....	117·5	Wroblewsky	Z. C. [2], 5, 279; A., 168, 153; 192 196	27, 51; 34, 977 vi., 1104
"	" "	"	....	117·5	Grete	A., 177, 231	29, 72
"	" =1.3.2 or 6	"	....	156	"	B., 7, 796; 8, 567; A., 177, 231	27, 986; 28, 888; 29, 73
"	" "	"	....	156–157	Wroblewsky	Z. C. [2], 7, 135; A., 168, 147	24, 564; 27, 51; vii., 1177
"	" "	"	....	156–157	Neville&Winther	....	39, 86
"	" =1.3.5	"	....	167–168	"	B., 13, 964	37, 434; 39, 86
Ethylic bromphenylcarbamate	$C_6H_4Br.NH.CO_2Et=1.4$	$C_9H_{10}BrO_2N$	...	84–85	Dennstedt	B., 13, 228	38, 633
Amidobromhydrocinnamic acid	$(CH_2.CH_2.CO_2H).Br.NH_2=1.3.4$	"	....	104–105	Gabriel	B., 15, 2292	44, 195
" "	" =1.4.5	"	....	117–119	"	B., 13, 1684	
Nitrobrommesitylene	$Me_3.Br.NO_2=1.3.5.2.4$	"	....	54	Fittig and Storer	A., 147, 7	vi., 299
Acetdiamidodibromtoluene	$Me.Br_2.NH_2.NHAc=(?)_3.1.3$	$C_9H_{10}Br_2ON_2$	....	208 d.	Tiemann	B., 3, 222	
Acetdiamidobromtoluene....	$Me.Br.NH_2.NHAc=(?)_2.1.3$	$C_9H_{11}BrON_2$	....	b. 100.	....	A., 153, 134	
p-Nitrophenyl-β-alanine +HBr	....	$C_9H_{11}BrO_4N_2(?)$	....	132–135	Basler	B., 17, 1496	46, 1173
Dibromtetrahydroquinoline nitrate	$C_9H_9Br_2N.2HNO_3$	$C_9H_{11}Br_2O_6N_3$	....	189 u.c.	Claus and Istel	B., 15, 823	42, 1111
Tribromdiethylcarbopyrrolamide	$NEt.Br_3.(CO.NHEt)=1.2.3.4.5$	$C_9H_{11}Br_3ON_2$	....	120–121 d.	Bell	B., 11, 1813	
Tribromhydroxycyanconiine	$C_9H_{10}Br_3N_2.OH$	"	....	149	Riess	J. p. [2], 30, 145	48, 236
?	....	$C_9H_{12}Br_2O_3N_2$	....	197 d.	Bell	B., 11, 1813	
Bromhydroxycyanconiine	....	$C_9H_{13}BrON_2$	....	172	Meyer	J. p. [2], 26, 358	44, 353
"	....	"	....	?	Riess	J. p. [2], 30, 145	48, 235
?	....	$C_9H_{13}Br_2ON$	....	250 d.	Comstock and Königs	B., 17, 1993	46, 1383
β-Tetranitrobromnaphthalene	$Br.(NO_2)_4=(?)_3;\ (?)_2$	$C_{10}N_3BrO_8N_4$	....	189–189·5	Merz and Weith	B., 15, 2714	44, 344
α- "	" "	"	....	245	"	B., 15, 2719	"
Trinitrobromnaphthalene	....	$C_{10}H_4BrO_6N_3$	....	184·5	Labhardt	B., 12, 680	
Dibrompyrocoll (G. I., 12, 29)	....	$C_{10}H_4Br_2O_2N_2$	....	288–290	Ciamician	G. I., 11, 321, 330	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Brompyrocoll (G. I., 12, 29)	$C_4H_3N:(CO)_2:C_4H_2BrN$	$C_{10}H_5BrO_2N_2$	....	190–192	Ciamician	G. I., 11, 321, 330	**42**, 234
Dinitrobromnaphthalene....	$Br.(NO_2)_2=\alpha_1\alpha_2$; α_1	$C_{10}H_5BrO_4N_2$	....	143	Merz and Weith	B., 15, 2711	**44**, 343
"	" $=\alpha_1\alpha_2$; α_2	"	....	169·5	Labhardt	B., 12, 679	
"	" "	"	....	*170·5*	Merz and Weith	B., 15, 2711	**44**, 343
Nitrodibromnaphthalene....	....	$C_{10}H_5Br_2O_2N$	....	96·5–98	Guareschi	A., 222, 262	**46**, 842
" (B., 16, 422)	....	"	....	100–105	Canzoneri	G. I., 12, 424	**44**, 67
"	....	"	....	116·5	Jolin	B. S. [2], 28, 515	**44**, 67
Nitrodibrom-α-naphthol	....	$C_{10}H_5Br_2O_3N$	....	120–125	Biedermann	B., 6, 1120	
Nitrobromnaphthalene	$Br.NO_2=\alpha_1\alpha_2$;	$C_{10}H_6BrO_2N$	....	*83–84*	Guareschi	R. A. T. [2], 35	
"	" "	"	....	85	Jolin	B. S., 28, 515	
" (B., 10, 294)	" =?	"	....	100	Guareschi	G. I., 7, 24	**31**, 713
" "	" =?	"	....	122	"	"	"
" (A., 222, 262)	" $=\beta_1$; α_1 or β_2 ; α_1	"	....	122·5	"	R. A. T. [2], 35	**46**, 842
" (B., 15, 528)	" = ?	"	....	127·5	"	G. I. [1881], 542	**42**, 735
"	" $=\beta_1\alpha_2$	"	....	131	Meldola	....	**47**, 507
"	" $=\alpha_2\beta_1$;	"	....	131–132	Liebermann and Scheiding	B., 8, 1109 ; A., 183, 262	**29**, 403 ; **31**, 606
Nitrosobrom-β-naphthol	$C_{10}H_5(NO).Br.OH$	$C_{10}H_6BrO_2N$	....	61–65	Canzoneri	G. I., 12, 424	**44**, 68
Acetylbromisatin	$C_6H_3Br.CO.CO.NAc$	$C_{10}H_6BrO_3N$	....	170–172	Baeyer and Œconimides	B., 15, 2096	**44**, 201
Nitrobrom-α-naphthol	$OH.Br.NO_2=\alpha_1\beta_1\alpha_2$;	"	....	136 d.	Meldola	....	**47**, 501
"	" $=\alpha_1\alpha_2\beta_1$;	"	....	142	Biedermann	B., 7, 538	**27**, 802
"	" "	"	....	142	Scheiding	B., 8, 1652	**29**, 713
Tribromoxylepidine	....	$C_{10}H_6Br_3ON$	....	nf. 280	Comstock and Königs	B., 17, 1992	**46**, 1383
Tribromethylphthalimide	fr. $C_6H_4:(CO)_2:NEt=1.2$	$C_{10}H_6Br_3O_2N$	....	186–189 d.	Michael	B., 10, 1645	**34**, 70
?	$(CO.CBr_3).[C(:NH).CO_2H]=1.2$	$C_{10}H_6Br_3O_3N$	....	213 p.d.	Kronfeld	B., 17, 717	**46**, 715
Nitrobromnaphthylamine	$Br.NH_2.NO_2=\beta_1\alpha_1\alpha_2$	$C_{10}H_7BrO_2N_2$	....	197	Meldola	....	**47**, 500
"	" $=\alpha_1\alpha_2\beta_2$;	"	....	200	Liebermann and Scheiding	B., 8, 1109 ; A., 183, 260	**29**, 403 ; **31**, 606
Diacetoxydinitrobrombenzene	$(OAc)_2.Br.(NO_2)_2=1.3.(?)_3$	$C_{10}H_7BrO_8N_2$	B., 16, 1101	135	Fevre	C. R., 96, 790	**44**, 733
Ethyldibromisatin	$C_6H_2Br_2.CO.C(OEt):N=1.3.?.4$	$C_{10}H_7Br_2O_2N$	....	87–89	Baeyer and Œconimides	B., 15, 2099	**44**, 202
β-Nitroso-α-naphtholdibromide	....	"	....	144–145	Fuchs	B., 8, 1022	**29**, 247
Cinchonic acid dibromide	$C_9H_6Br_2N.CO_2H$	"	....	188 u. c.	Claus	B., 18, 1307	**46**, 908
Carboxylnitrophenyldibrompropionic acid	$(CHBr.CHBr.CO_2H).NO_2.CO_2H=1.2.4$	$C_{10}H_7Br_2O_6N$	....	d. 220	Löw	B., 18, 949	**48**, 799
α-Nitronaphthalene tetrabromide	$C_{10}H_7.NO_2+Br_4$	$C_{10}H_7Br_4O_2N$	....	131	Guareschi	A., 222, 262	**46**, 842
β- " "	"	"	....	142–143·5	"	"	"
γ- " "	"	"	....	172–173	"	"	"
Methylbromcarbostyril	$N.OMe.Br=\alpha_1\beta_1\alpha_2$;	$C_{10}H_8BrON$	....	93	Friedländer	B., 15, 1424	**42**, 1209
Bromoxyquinaldine	$N.OH.Me.Br=\alpha_1\alpha_2\beta_1\beta_2$;	"	....	258	Knorr & Antrick	B., 17, 2875	**46**, 274
Ethylbromisatin	$C_6H_3Br.CO.C(OEt):N$	$C_{10}H_8BrO_2N$	....	107–109	Baeyer and Œconimides	B., 15, 2095	**44**, 201
Acetamidonitrobrombenzylcyanide	$(CH_2.CN).Br.NHAc.NO_2=1.3.4.5$	$C_{10}H_8BrO_3N_3$	....	190–191	Gabriel	B., 15, 1994	**44**, 64
Acetylbromisatic acid	$C_6H_3Br.NHAc.(CO.CO_2H)$	$C_{10}H_8BrO_4N$	....	178–180	Baeyer	B., 15, 2096	**44**, 201
Dibromisatoethyloxime	$C_6H_2Br_2.C(NOEt).C(OH):N$	$C_{10}H_8Br_2O_2N_2$	dark 240	252	Baeyer & Comstock	B., 16, 1709	**44**, 1131
Tribromacetamidoacetophenone	$(CO.CHBr_2).Br.NHAc=1.3.6$	$C_{10}H_8Br_3O_2N$	....	185 d.	Baeyer and Blöm	B., 17, 967	**46**, 1027
Diacetamidotribrombenzene	$Br_3.NAc_2=1.3.5.6$	"	....	123	Remmers	B., 7, 350	**27**, 697
Acetamidobrombenzylcyanide	$(CH_2.CN).Br.NHAc=1.3.4$	$C_{10}H_9BrON_2$	....	127–129	Gabriel	B., 15, 840, 1993	**44**, 64
Bromethylisindazolcarboxylic acid	....	$C_{10}H_9BrO_2N_2$	....	210	Fischer and Tafel	A., 227, 303	**48**, 543

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetamidodibromnaphthalene	$Br_2.NHAc=\beta$; $\alpha_2\beta_1$	$C_{10}H_9Br_2ON$	....	221	Meldola	....	**47**, 514
"	" $=\alpha$; $\beta_2\alpha_1$	"	....	221–222	"	....	**47**, 511
Ethylic dibromisatate	$Br_2.NH_2.(CO.CO_2Et)=1.3.4$	$C_{10}H_9Br_2O_3N$	....	105	Baeyer and Œconimides	B., 15, 2099	**44**, 202
Methylic nitrophenyldibrompropionate	$NO_2.(CHBr.CHBr.CO_2Me)=1.2$	$C_{10}H_9Br_2O_4N$	....	98–99	Baeyer	B., 13, 2258	**40**, 275
Acetamidobromcinnamene	$(CH\colon CH_2).NHAc.Br=1.4.?$	$C_{10}H_{10}BrON$	....	182·5	Gabriel & Herzberg	B., 16, 2043; C. C. [1884], 35	**44**, 1123; **48**, 662
?	....	$C_{10}H_{10}BrO_2N$	....	125–126	Gabriel	B., 18, 2455	**48**, 1228
Acetamidobromacetophenone	$Ac.Br.NHAc=1.3.6$	"	....	160	Baeyer and Blöm	B., 17, 965	**46**, 1026
Ethylic bromphenyloxamate	$Br.(NH.CO.CO_2Et)=1.4$	$C_{10}H_{10}BrO_3N$	....	154–156	Klinger	B., 8, 311; A., 184, 266	**28**, 1025; **31**, 710
Acetamidobromphenylacetic acid	$(CH_2.CO_2H).Br.NHAc=1.3.4$	"	....	164–165	Gabriel	B., 15, 841	
Ethylic nitrobromphenylacetate	$(CH_2.CO_2Et).Br.NO_2=1.4.5$	$C_{10}H_{10}BrO_4N$	....	Liquid	Bedson	....	**37**, 98
" "	" $=?$	"	....	crystalline	"	....	**37**, 100
Ethylic nitrobromanisate....	$CO_2Et.OMe.Br.NO_2=?$	$C_{10}H_{10}BrO_5N$	....	85	Balbiano	G. I., 14, 234	**48**, 530
Nitrophenylethoxydibromnitroethane	$NO_2.C_6H_4.[CH(OEt).CBr_2.NO_2]=1.3$	$C_{10}H_{10}Br_2O_5N_2$	....	98–99	Friedländer and Lazarus	A., 229, 233	**48**, 1138
Dinitrobromisocymene	$Me.Pr^{\beta}.Br.(NO_2)_2=?$	$C_{10}H_{11}BrO_4N_2$	....	55	Kelbe	B., 15, 42	**42**, 619
Dinitrobromcymene	$Me.Pr^{\alpha}.Br.(NO_2)_2=1.4.6.(?)_2$	"	....	97–98	Gerichten	B., 11, 1092	
Ethylic bromphenamidoacetate	$Br.(NH.CH_2.CO_2Et)=1.4$	$C_{10}H_{12}BrO_2N$	....	95–96	Dennstedt	B., 13, 238	**38**, 635
Nitrobromcymene....	$Me.Pr^{\beta}.Br.NO_2=1.3.6.?$	"	....	121	Kelbe	B., 15, 40	**42**, 619
Nitrotribromcamphor	....	$C_{10}H_{12}Br_3O_3N$	....	175	Swarts	B., 15, 2136	**44**, 215
Nitro-β-dibromcamphor	....	$C_{10}H_{13}Br_2O_3N$	....	124–126	Kachler & Spitzer	M. C., 3, 219	**42**, 865
Nitrobromcamphor	....	$C_{10}H_{14}BrO_3N$	....	103	Cazeneuve	B. S. [2], 42, 69	**48**, 270
"	....	"	....	104–105	Schiff	G. I., 11, 21; B., 13, 1402	**38**, 891; **40**, 438
Brom-α-naphthoamide	$(CO.NH_2).Br=\alpha_1?$	$C_{11}H_8BrON$	....	240–241	Hausamann	B., 9, 1518	**31**, 318
Nitrobrommethoxynaphthalene	$OMe.Br.NO_2=\alpha_1\beta_1\alpha_2$	$C_{11}H_8BrO_3N$	....	114–115	Meldola	....	**47**, 502
Bromtarconin	A., 210, 84; 212, 197	"	....	235–238 d.	Gerichten	B., 14, 312	**32**, 535
Acetamidobromquinoline	$N.Br=\alpha_1$; β_2	$C_{11}H_9BrON_2$	....	104–105	Coste	B., 15, 1921	**44**, 91
Ethylic nitrodibromcinnamate	$NO_2.(CBr\colon CBr.CO_2Et)=1.4$	$C_{11}H_9Br_2O_4N$	....	85–86	Drewsen	A., 212, 157	**42**, 847
Methylbromtarconinic acid	B., 15, 1459	$C_{11}H_{10}BrO_3N$	dark, 215	223	Gerichten	A., 212, 177	**44**, 91
Ethylic α-nitrobromcinnamate	$NO_2.(C_2HBr.CO_2Et)=1.4$	$C_{11}H_{10}BrO_4N$	....	63	Müller	A., 212, 132	**42**, 842
Ethylic β-nitrobromcinnamate	" "	"	....	93	"	"	"
Dibromethylquinazolcarboxylic acid	....	$C_{11}H_{10}Br_2O_2N_2$	....	196	Fischer and Kuzel	A., 221, 261	**46**, 442
Bromethylquinazolcarboxylic acid	....	$C_{11}H_{11}BrO_2N_2$	....	173 d.	"	"	"
Ethylic nitrophenyldibrompropionate	$NO_2.(CHBr.CHBr.CO_2Et)=1.2$	$C_{11}H_{11}Br_2O_4N$	....	71	Müller	A., 212, 130	**42**, 841
" "	" $=1.4$	"	....	*110–111*	"	A., 212, 129	"
" "	" "	"	...	110–111	Baeyer	B., 13, 2258	**40**, 275
" "	" "	"	....	113–116	Drewsen	A., 212, 154	**42**, 846
Dibromtetrahydroquinoline oxalate	$C_9H_9Br_2N.C_2H_2O_4$	"	....	171 u.c.	Claus and Istel	B., 15, 820	**42**, 1111
?	$C_{10}H_9MeBrO_2N$	$C_{11}H_{12}BrO_2N$	....	114–115	Gabriel	B., 18, 2455	
Acetamidobromhydrocinnamic acid	$(CH_2.CH_2.CO_2H).Br.NHAc=1.3.4$	$C_{11}H_{12}BrO_3N$	....	159·5–160·5	"	B., 15, 2293	**44**, 195
Bromethoxyhydroquinolinenitrosamine	$N.OEt=\alpha_1$; α_1	$C_{11}H_{13}BrO_2N_2$	....	86	Fischer and Renouf	B., 17, 761	**46**, 1050
Bromethoxyhydroquinoline	" "	$C_{11}H_{14}BrON$	d. 150	44·5	"	"	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trinitrodibromdiphenyl	$C_6H_3Br(NO_2).C_6H_2Br(NO_2)_2$ =4.?.1; 1.4.(?)$_2$	$C_{12}H_6Br_2O_6N_3$	....	177	Lellmann	B., 15, 2838	**44**, 343
Trinitrotribromazoxybenzene	$ON_2:C_{12}H_5Br_2(NO_2)_3$	$C_{12}H_6Br_2O_7N_6$	....	174	Werigo	A., 165, 192	**26**, 384; **vii.**, 150
Tetranitrodibromdiphenylamine	$NH[C_6H_2Br(NO_2)_2]_2$	$C_{12}H_5Br_2O_8N_6$	....	167·5	Austen	A. J. S. [3], 13, 279	**32**, 761
„ „	„	„	....	235	„	„	„
„ „	„	„	....	240	„	„	„
„ „	„	„	....	242	„	„	„
„ „	„	„	....	235–242	Gnehm	B., 8, 930	**29**, 84
Bromnaphthalimide	$C_{10}H_5Br:(CO)_2:NH$	$C_{12}H_6BrO_2N$	....	a. 265	Blumenthal	B., 7, 1095	
Dinitrodibromdiphenyl	....	$C_{12}H_6Br_2O_4N_2$	....	148	....	A., 132, 206; 174, 218	
Dinitrotribromdiphenylamine	fr. $NH(C_6H_3Br_2)_2$	$C_{12}H_6Br_3O_4N_3$	....	209–210	Gnehm and Wyss	B., 10, 1324	**34**, 53
Trinitro-p-bromdiphenylamine	$C_6H_4(NO_2).C_6H_2Br(NO_2)_2$	$C_{12}H_7BrO_6N_4$	....	157·5	Austen	B., 9, 920	**30**, 513
Nitrodibromdiphenyl	$C_6H_4Br.C_6H_3Br.NO_2$ =4.1; 1.4.?	$C_{12}H_7Br_2O_2N$	....	127	Lellmann	B., 15, 2837	**44**, 343
Dinitrodibromdiphenylamine	fr. $Ph.NH.C_6H_3(NO_2)_2$	$C_{12}H_7Br_2O_4N_3$	....	196	Leymann	B., 15, 1236	
Nitrobromphenol+dinitrobromphenol	$(C_6H_3Br.OH.NO_2)[C_6H_2Br.OH.(NO_2)_2]$	$C_{12}H_7Br_2O_8N_3$	....	60–65	Fittica	J. p. [2], 28, 176	**46**, 55
Tribromresorcinolazobenzene	$Ph.N_2.C_6Br_3(OH)_2$=(?)$_4$.3.1	$C_{12}H_7Br_3O_2N_2$	....	186	Typke	B., 10, 1578	**34**, 219
Tetrabromacetonaphthalide	$C_{10}H_3Br_4.NHAc$	$C_{12}H_7Br_4ON$	....	138	Meldola	....	**43**, 8
Nitrobromdiphenyl	$C_6H_4Br.C_6H_4.NO_2$=1.4; 1.2	$C_{12}H_8BrO_2N$	360	65	Schultz	A., 174, 220	**26**, 149
„	„ „	„	....	65	Schultz & others	A., 207, 351	**40**, 911
„	„ =(1.4)$_2$	„	a. 360	173	Schultz	B., 7, 54; A., 174, 218	**27**, 468; **26**, 149; **vii.**, 938
Nitrobromethenylnaphthalenediamine	$NO_2.C_6H_3.CBr:CH.C.N:$ CMe.NH.C	$C_{12}H_8BrO_2N_3$	....	242	Prager	B., 18, 2163	**48**, 1239
Dinitro-p-bromdiphenylamine	$Ph.NH.C_6H_2Br(NO_2)_2$	$C_{12}H_8BrO_4N_3$	....	120	Austen	B., 9, 920; A. J. S. (3), 13, 279	**30**, 513; **32**, 761
„ -?- „	$C_6H_4Br.NH.C_6H_3(NO_2)_2$ =1.?; 1.2.4	„	....	152–153	Willgerodt	B., 11, 602	**34**, 570
Dibromazoxybenzene	$ON_2(C_6H_4Br)_2$=(1.3)$_2$	$C_{12}H_3Br_2ON_2$	....	111–111·5	Gabriel	B., 9, 1405	**31**, 307
„	„ =(1.4)$_2$	„	....	172	Hofmann and Geyger	B., 5, 919	**26**, 169; **vii.**, 150
„	„ „	„	....	*175*	Werigo	A., 165, 189	**26**, 385
Nitrobromacetonaphthalide	NHAc.NO_2.Br=$\alpha_1\alpha_2\beta_1$;	$C_{12}H_9BrO_3N_2$	....	224–225	Meldola	B., 16, 421	**43**, 9; **47**, 499
„	„ =$\alpha_1\beta_1\alpha_2$;	„	....	229	Biedermann	B., 7, 539	**27**, 802
„	„ „	„	....	*232*	Lellmann and Scheiding	B., 8, 1109; A., 183, 260	**43**, 9
Dibromacetonaphthalide	NHAc.Br_2=β(?)$_2$	$C_{12}H_9Br_2ON$	....	208	Lawson	B., 18, 2425	**48**, 1239
„	„ =α(?)$_2$	„	....	225	Meldola	B., 11, 1906	**36**, 165
Leucodibromquinonephenolimide	$C_6H_4(OH).NH.C_6H_2Br_2.OH$ =1.4; 1.(?)$_2$.4	$C_{12}H_9Br_2O_2N$	....	170	Möhlau	B., 16, 2848	**46**, 594
?	....	$C_{12}H_9Br_2O_2N_3$	....	150	Werigo	A., 135, 176	**vi.**, 270
?	....	„	....	159	„	A., 135, 178	**iv.**, 412
Bromacetonaphthalide	NHAc.Br=$\beta_1\alpha_1$;	$C_{12}H_{10}BrON$	....	134–135	Cosiner	B., 14, 59	**40**, 606
„	„ =$\beta_1\alpha_2$;	„	....	186·5	Meldola	....	**47**, 509
„	„ =$\alpha_2\beta_1$;	„	....	187	„	....	**47**, 510
„	„ =α_1?	„	....	190	Biedermann	B., 7, 538	**27**, 802
„	„ =$\alpha\alpha$	„	....	192	Prager	B., 18, 2160	
„	„ =α_1?	„	B., 11, 1906	*193*	Rother	B., 4, 850	**28**, 81; **vii.**, 845

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromcotarnine	....	$C_{12}H_{12}BrO_3N$	....	100 d.	Wright	....	**32**, 531
Ethylbromtarconinic acid	....	"	....	223–225 d.	....	A., 212, 182	
Dibromethylisatoethyl-oxime	$C_6H_2Br_2.C(NOEt).C(OEt):N$	$C_{12}H_{12}Br_2O_2N_2$	....	115–116	Baeyer and Comstock	B., 16, 1710	**44**, 1131
o-Nitrocumenyldibrom-propionic acid	$Pr.NO_2.(C_2H_2Br_2.CO_2H)=?$	$C_{12}H_{13}Br_2O_4N$	....	171	Widmann	B., 17, 2282, 2283	**48**, 56
m- " "	" "	"	....	184	"	"	"
Tribromhydrocotarnine +HBr	....	$C_{12}H_{13}Br_4O_3N$	....	190–200	Wright	....	**32**, 544
Bromhydrocotarnine +HBr	....	$C_{12}H_{14}BrO_3N$	....	76 c.; 78 c.	"	....	**32**, 530, 534
Isopropylnitrophenylbrom-propionic acid	$Pr^{\beta}.NO_2.(CHBr.CH_2.CO_2H) =4.2.1$	$C_{12}H_{14}BrO_4N$	....	127 d.	Einhorn and Hess	B., 17, 2020	**46**, 1352
Nitrobenzoyltribromnitro-phenol	$NO_2.C_6H_4.CO_2.C_6HBr_3.NO_2 =1.2;1.2.4.6.3$	$C_{13}H_6Br_3O_4N$	d. 215	129·2 c.	Daccomo	B., 18, 1168	**48**, 890
"	" $=1.3;1.2.4.6.3$	"	....	153·8 c.	"	"	"
Dibromphenylic nitro-benzoate	$NO_2.C_6H_4.CO_2.C_6H_3Br_2 =1.3;(?)_3$	$C_{13}H_7Br_2O_4N$	....	90–100	List and Limpricht	A., 90, 204	i., 556
α-Dibromphenylpyridine-dicarboxylic acid	....	"	....	204–205	Skraup & Cobenzl	M. C., 4, 436	**44**, 1014
Benzamidodinitrobrom-benzene	$NHBz.Br.(NO_2)_2=1.4.(?)_2$	$C_{13}H_8BrO_5N_3$	....	195–196	Meinecke	B., 8, 565	**28**, 900
Dinitrobrombenzanilide	fr. $NHBz.Br.NO_2=1.4.6$	"	....	221	Hübner	B., 10, 1710	**34**, 142
Benzamidonitrodibrom-benzene	$NHBz.Br_2.NO_2=1.(?)_2.2$	$C_{13}H_8Br_2O_3N_2$	....	194–195	"	"	
Tetrabromcarbanilide	$CO:N_2H_2(C_6H_3Br_2)_2$	$C_{13}H_8Br_4ON_2$	....	sb. 230–235	Otto	B., 2, 410	
Benzamidonitrobrombenz-ene	$NHBz.Br.NO_2=1.4.6$	$C_{13}H_9BrO_3N_2$	....	137–138	Meinecke	B., 8, 565	**28**, 900
"	" "	"	....	137	Hübner	B., 10, 1710	**34**, 142
"	" $=1.2.4$	"	....	160	"	B., 10, 1709	"
Benzamidodibrombenzene	$NHBz.Br_2=?$	$C_{13}H_9Br_2ON$	....	134	"	B., 10, 1710	
Dibrompseudocinnamyl-pyrroline	....	"	....	225	Ciamician and Dennstedt	B., 17, 2948	**48**, 378
Benzyloxynitrodibrom-benzene	$(O.CH_2Ph).Br_2.NO_2=1.2.4.6$	$C_{13}H_9Br_2O_3N$	....	64·5 u.c.	Roll and Hölz	J. p. [2], 32, 56	**48**, 1209
"	" $=1.2.6.4$	"	....	93·5	"	"	**48**, 1210
Dinitrodibrommethyldi-phenylamine	fr. $NMePh.C_6H_3(NO_2)_2$	$C_{13}H_9Br_2O_4N_3$	....	194	Leymann	B., 15, 1236	**42**, 1057
Brombenzanilide	$Br.(CO.NHPh)=1.4$	$C_{13}H_{10}BrON$	....	197	Hübner	B., 10, 1707	**34**, 149
Benzamidobrombenzene	$Br.NHBz=1.4$	"	....	202	Meinecke	B., 8, 564	**28**, 900
Brompseudocinnamylpyr-roline	....	"	....	175–177	Ciamician	B., 17, 2948	**48**, 378
Benzyloxynitrobrombenz-ene	$(O.CH_2Ph).Br.NO_2=1.4.6$	$C_{13}H_{10}BrO_3N$	....	83·5 u.c.	Roll and Hölz	J. p. [2], 32, 56	**48**, 1209
"	" $=1.2.4$	"	....	125·5 u.c.	"	"	"
Benzylnitrobromphenol	$OH.Br.CH_2Ph.NO_2=1.2.4.6$	"	....	64–65	Rennie	....	**41**, 223, 224
Methylic bromphenoxy-nicotate	$N.Br.OPh.CO_2Me=(?)_2.1.4$	"	....	183·5	Pechmann	B., 17, 2399	**48**, 176
Dibromcarbanilide	$CO(NH.C_6H_4Br)_2=(1.4)_2$	$C_{13}H_{10}Br_2ON_2$	....	w.m. 220–225	Otto	B., 2, 409	
"	" "	"	....	w.m. 225	Sarauw	B., 15, 45	
Hydroxydibrombenzyl-idenephenylhydrazine	$HO.C_6H_2Br_2.CH:N_2HPh =1.(?)_2.2$	"	....	148	Rössing	B., 17, 3009	**48**, 389
Dibromorcinolazobenzene	$Ph.N_2.C_6Me.Br_2.(OH)_2 =?.1.2.?.3.5$	$C_{13}H_{10}Br_2O_2N_2$	....	183	Typke	B., 10, 1580	**34**, 219
Benzdiamidobrombenzene	$NHBz.Br.NH_2=1.2.4$	$C_{13}H_{11}BrON_2$	....	205	Hübner	B., 10, 1709	**34**, 142
Dibromcarbanilidocyan-methine	....	$C_{13}H_{12}Br_2ON_4$	....	238	Keller	J. p. [2], 31, 363	**48**, 961
Bromcarbanilidocyan-methine	$Ph.NH.CO.NH.C_6H_6BrN_2$	$C_{13}H_{13}BrON_4$	....	190	"	"	"
Ethylkairine bromide	$N.OEt=a_1;a_1$	$C_{13}H_{18}BrON$	....	35	Fischer & Renouf	B., 17, 762	**46**, 1050
Dinitrotetrabromanthra-quinone	....	$C_{14}H_2Br_4O_6N_2$	....	105	Claus and Hertel	B., 14, 981	**40**, 738

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitrodibromanthraquinone	....	$C_{14}H_4Br_2O_6N_2$	....	239	Claus and Diernfellner	B., 14, 1337	**42**, 523
Dinitrobromanthraquinone	....	$C_{14}H_5BrO_6N_2$	....	213	"	B., 14, 1333	"
Nitrodibromanthraquinone	....	$C_{14}H_5Br_2O_4N$	....	245	"	B., 14, 980, 1334	"
Nitrobromanthraquinone	....	$C_{14}H_6BrO_4N$	....	261	Claus and Hertel	B., 14, 980	**40**, 738
Nitroamidodibromanthraquinone	....	$C_{14}H_6Br_2O_4N_2$	....	180–183 u.c.	Claus and Diernfellner	B., 14, 1337	**42**, 523
Amidodibromanthraquinone	....	$C_{14}H_7Br_2O_2N$	....	169–170	"	B., 14, 1334	"
Bromphenylphthalimide	$C_6H_4 : (CO)_2 : N.C_6H_4Br$ =1.2 ; 1.4	$C_{14}H_8BrO_2N$	....	203–204	Gabriel	B., 11, 2261	**36**, 324
Nitrobromphenanthrene	$C_6H_4.CH : CBr.C_6H_3.NO_2$	"	....	195–196	Anschütz	B., 11, 1218	**34**, 984
Di-p-bromdiphenyldicyanate	....	$C_{14}H_8Br_2O_2N_2$	....	199	Dennstedt	B., 13, 229	
Diazoimidobrombenzoic acid	$N_3H(C_6H_3Br.CO_2H)_2$ =(2.3.1)$_2$	$C_{14}H_9Br_2O_4N_3$	....	147	Hübner	A., 222, 67	**46**, 316
Acetyltetrabromdiphenylamine	$NAc(C_6H_3Br_2)_2$	$C_{14}H_9Br_4ON$	....	157–158	Gnehm	B., 8, 928	**29**, 83
Acetylbromcarbazole	$C_{12}H_7BrN.Ac$	$C_{14}H_{10}BrON$	....	128	Ciamician and Silber	G. I. [1882], 272	**42**, 1104
Dinitrodibromdibenzyl	....	$C_{14}H_{10}Br_2O_4N_2$	....	204–205	....	A., 137, 270	v., 871
Dibromapophylline	....	$C_{14}H_{10}Br_4O_4N_2$	B., 15, 1251	229 d.	Gerichten	A., 210, 94	**42**, 315
Dibromdiphenylbiuret	$NH(CO.NH.C_6H_4Br)_2$	$C_{14}H_{11}Br_2O_2N_3$	d. 280	w.m. 240	Dennstedt	B., 13, 230	**38**, 633
Dibromapophylline+HBr	....	$C_{14}H_{11}Br_6O_4N_2$	begins d. 170	170–205	Gerichten	A., 210, 79	**42**, 315
Bromacetamidodiphenyl	fr. $Ph.C_6H_4.NHAc$=1.4	$C_{14}H_{12}BrON$	....	247	....	A., 209, 345	
Dibrom-p-azoxytoluene	....	$C_{14}H_{12}Br_2ON_2$	....	138	Petrieff	B., 6, 557	**26**, 1027
Bromphenamidoacetbromphenamide	$C_6H_4Br.NH.CH_2.CO.NH.C_6H_4Br$=(1.4)$_2$	"	sb. 145	161	Dennstedt	B., 13, 237	**38**, 635
Bromazoxytoluene	$C_6H_4Me.N_2O.C_6H_3MeBr$ =1.4 ; 1.4.?	$C_{14}H_{13}BrON_2$	....	74	Melms	B., 3, 552	vii., 1163
Diethylic nitrobenzoylbrommalonate	$NO_2.C_6H_4.CO.CBr(CO_2Et)_2$ =1.2	$C_{14}H_{14}BrO_7N$	....	72	Bischoff & Rach	B., 17, 2793	**48**, 264
Diethylic dibromcollidinedicarboxylate dibromide	$C_8H_7Br_2(CO_2Et)_2.NBr_2$	$C_{14}H_{17}Br_4O_4N$	....	102	"	A., 215, 17 ; B., 14, 1638	**44**, 82
Diethylic dibromhydrocollidinedicarboxylate dibromide	$C_8H_9Br_2(CO_2Et)_2.NBr_2$	$C_{14}H_{19}Br_4O_4N$	....	88	"	"	"
Malontribromanilide	$CH_2(CO.NH.C_6H_2Br_3)_2$ =(1.3.5.6)$_2$	$C_{15}H_8Br_6O_2N_2$	....	145–146	Freund	B., 17, 782	**46**, 1123
Brombenzalphthalimidine	....	$C_{15}H_{10}BrON$	....	210–211	Gabriel	B., 18, 1260, 2435	**48**, 903
Nitrobromcinnamaldehydephenylhydrazine	$C_6H_4(NO_2).CBr : C_2H_2 : N_2HPh$=1.3	$C_{15}H_{12}BrO_2N_3$	....	120	Kinkelin	B., 18, 485	**48**, 791
" "	" =?	"	....	134	Zincke & Hagen	B., 17, 1817	**46**, 1344
" "	" =?	"	....	154	"	B., 17, 1816	"
Acetoxydibrombenzylidenephenylhydrazine	$AcO.C_6H_2Br_2.(CH : N_2HPh)$ =1.(?)$_2$.2	$C_{15}H_{12}Br_2O_2N_2$	....	188	Rössing	B., 17, 3008	**48**, 389
Brombenzylamine carbonate	$(C_6H_4Br.CH_2.NH_3)_2CO_3$ =(1.2)$_2$	$C_{15}H_{18}Br_2O_3N_2$	....	95	Jackson & White	B., 13, 1219	**38**, 879
" "	" =(1.4)$_2$	"	....	131–133	Jackson and Lowery	A. C. J., 3, 247	**42**, 170
Benzeneazo-β-naphthol bromide	....	$C_{16}H_9BrON_2$	....	160–161	Margary	G. I., 13, 438	**46**, 326
" "	....	"	....	167–168	Zincke & Bindewald	B., 17, 3032	
Nitro-β-naphthaquinone-p-bromanilide	$O.N(C_6H_4Br).C_{10}H_4(OH).NO_2$	$C_{16}H_9BrO_4N_2$	....	245–246	Brauns	B., 17, 1136	**46**, 1038
Brom-α-naphthaquinone-p-bromanilide	$O.N(C_6H_4Br).C_{10}H_4Br(OH)$	$C_{16}H_9Br_2O_2N$	....	238–240	Baltzer	B., 14, 1901	**42**, 204
Brom-α-naphthaquinone-anilide	$O.NPh.C_{10}H_4Br.OH$	$C_{16}H_{10}BrO_2N$	....	165–166	"	B., 14, 1902	**42**, 205

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Naphthaquinone-p-bromanilide	$O.N(C_6H_4Br).C_{10}H_5.OH$	$C_{16}H_{10}BrO_2N$	....	266–269	Baltzer	B., 14, 1902	**42**, 204
Bromnaphthalene picrate	$C_{10}H_7Br+C_6H_2.OH.(NO_2)_3$	$C_{16}H_{10}BrO_7N_3$	....	133	Wichelhaus	B., 2, 305	vi., 845
β-Naphthaquinonehydrazidedibromide	....	$C_{16}H_{10}Br_2ON_2$	....	215–219	Zincke & Bindewald	B., 17, 3031	**48**, 392
Fr. nitrocinnamic acid	or $C_8H_6BrO_2N$	$C_{16}H_{10}Br_2O_4N_2$	....	255	Morgan	B., 17, 222	**46**, 747
Brom-α-naphtholazobenzene	$HO.C_{10}H_6.N_2.C_6H_4Br$ =α?; 1.4	$C_{16}H_{11}BrON_2$	....	185	Margary	G. I., 14, 271	**48**, 546
„ -α- „ „	„ „	„	....	195	„	„	„
Bromhydroxynaphthaquinonehydrazine	see B., 17, 1813	$C_{16}H_{11}BrO_2N_2$	....	196–198	Zincke & Thelen	B., 17, 1813	**46**, 1360
Methylisatinbromtolylimide	$C_8H_4MeNO.N.C_6H_3MeBr$ =1.4; 4.1.3	$C_{16}H_{13}BrON_2$	....	210	Meyer	B., 16, 2267	**46**, 48
Ethylic dibromdiphenylallophanate	$C_6H_4Br.NH.CO.N(C_6H_4Br).CO_2Et=(1.4)_2$	$C_{16}H_{14}Br_2O_3N_2$	....	153	Dennstedt	B., 13, 229	**38**, 633
Dibromazodimethylquinol	fr. $N_2[C_6H_3(OMe)_2]_2$ =(?.4.1)$_2$	$C_{16}H_{16}Br_2O_4N_2$	....	220	Baessler	B., 17, 2125	**46**, 1330
Dibromanisidine oxalate	$OMe.NH_2.Br_2$=1.2.4.6	$C_{16}H_{16}Br_4O_6N_2$	....	147–148	Staedel & Damm	B., 11, 1750; A., 217, 55	**36**, 239; **44**, 663
„ „	„ =1.4.2.6	„	....	195 d.	„	„	„
Diphenyltartaramide +HBr	$(.CPh(OH).CO.NH_2)_2$+HBr	$C_{16}H_{17}BrO_4N_2$	....	185 d.	Burton	B., 16, 2233	**46**, 63
Diphenoxydiethyleneamine+HBr	$NH_2Br(C_2H_4.OPh)_2$	$C_{16}H_{20}BrON$	....	nf. 216	Weddige	J.p. [2], 24, 241	**40**, 1137
Methylbromisatoïde	....	$C_{17}H_{10}Br_2O_4N_2$	....	230–231	Baeyer	B., 15, 2095	**44**, 201
Brom-α-naphthanilide	$C_{10}H_6Br.(CONPh)=\beta_1\beta_2$;	$C_{17}H_{12}BrON$	....	194	Miller	B. S., 43, 125	**48**, 667
Brom-α-methylnaphthalene picrate	$C_{10}H_6BrMe+C_6H_2(NO_2)_3.OH$	$C_{17}H_{12}BrO_7N_3$	....	105	Schulze	B., 17, 1528	**46**, 1184
„ -β- „ „	„ „	„	....	113	„	B., 17, 1529	„
Cinchonic acid benzylbromide	$NBr(CH_2Ph).CO_2H=\alpha_1\beta_2$;	$C_{17}H_{14}BrO_2N$	....	130 u.c.	Claus & Muchall	B., 18, 363	**48**, 561
Acetoxydibrombenzylideneacetphenylhydrazine	$AcO.C_6H_2Br_2.CH:N_2AcPh$ =1.(?)$_2$.2	$C_{17}H_{14}Br_2O_3N_2$	....	158	Rössing	B., 17, 3010	**48**, 389
Bromethoxyhydroquinoline picrate	$N.OEt=\alpha_1$; α_1	$C_{17}H_{17}BrO_8N_4$	....	107–108	Fischer & Renouf	B., 17, 761	**46**, 1050
Nitrobromphenol+dinitrobromphenol	$2C_6H_3Br.NO_2.OH+C_6H_2Br(NO_2).OH$	$C_{18}H_{11}Br_3O_{11}N_4$	....	68–70	Fittica	J. p. [2], 28, 176	**46**, 55
Ethylbromisatoïde	....	$C_{18}H_{12}Br_2O_4N_2$	....	244–245	Baeyer	B., 15, 2095	
2 (Nitrobrombenzene)+benzene	$(NO_2)_2.Br$=1.3.4	$C_{18}H_{12}Br_2O_8N_4$	....	65	Spiegelberg	A., 197, 259	**36**, 796
Fr. amidonaphthaquinonimide	....	$C_{18}H_{12}Br_4O_2N_2$	....	237	Kronfeld	B., 17, 718	**46**, 1037
Bromcodeïne	A., 77, 362	$C_{18}H_{20}BrO_3N$	....	161–162	Gerichten	A., 210, 112	**42**, 312
Benzoyldibromdiphenylamine	$NBz(C_6H_4Br)_2$=?	$C_{19}H_{13}Br_2ON$	....	142	Lellmann	B., 15, 830	**42**, 1060
Brom-o-ethoxyhydroethylquinoline picrate	$C_{13}H_{18}BrON+C_6H_2.OH.(NO_2)_3$	$C_{19}H_{21}BrO_8N_4$	....	174	Fischer & Renouf	B., 17, 762	**46**, 1050
Tetrabromdiimidophthaleïn	$C_6H_4(CNH.C_6H_2Br_2.OH)_2$	$C_{20}H_{12}Br_4O_2N_2$	A., 202, 114	a. 280	Baeyer and Burkhardt	B., 11, 1299	**34**, 866
Isobutylbromisatoïde	....	$C_{20}H_{16}Br_2O_4N_2$	....	210	Baeyer	B., 15, 2097	**44**, 202
Bromquinolinemethyloxide	$(C_9H_6BrNMe)_2O$	$C_{20}H_{18}Br_2ON_2$	....	146–147	Coste	B., 15, 189	**42**, 980
Dibenzdiamidobromtoluene	$Me.Br.(NHBz)_2$=1.?.2.4	$C_{21}H_{17}BrO_2N_2$	....	214	Ruhemann	B., 14, 2658	
Fr. dibromstrychnine	....	$C_{21}H_{19}BrO_2N_2$	....	216	Beckurts	B., 18, 1238	**48**, 911
Œnanthylidenedibromnitrobenzodiamide	....	$C_{21}H_{22}Br_2O_6N_4$	....	170	Medicus	A., 157, 44	**24**, 151
Cinchonine methobromide	$C_{20}H_{24}ON_2.MeBr$	$C_{21}H_{27}BrON_2$	dark, 245	265–269	Claus and Müller	B., 13, 2291	**40**, 289
Quinine methobromide	$C_{20}H_{24}O_2N_2.MeBr$	$C_{21}H_{27}BrO_2N_2$	....	124–126	Claus & Mallmann	B., 14, 76	**40**, 619
Acetyldinitrodibromfluoresceïn	....	$C_{22}H_8Br_2O_{10}N_2$	....	250	Baeyer	A., 183, 1	**31**, 204
Cinchoninemethylethylbromide	$C_{19}H_{22}ON_2.MeBr.EtBr$	$C_{22}H_{30}Br_2ON_2$	....	197	Claus and Müller	B., 13, 2294	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Papaverine ethobromide	$C_{21}H_{21}O_4N.EtBr$	$C_{23}H_{26}BrO_4N$	....	110–111 u.c.	Claus & Hüetlin	B., 18, 1577	**48**, 996
Isoamylbromanthracene picrate	$C_6H_4 : C_2Br(C_6H_{11}) : C_6H_4 + C_6H_2.(NO_2)_3.OH$	$C_{25}H_{22}BrO_7N_3$	....	110	Liebermann and Tobias	B., 14, 795; A., 212, 1	**40**, 737; **42**, 863
Narceïne ethobromide	$C_{23}H_{29}O_9N.EtBr$	$C_{25}H_{34}BrO_9N$	....	165 u.c.	Claus & Ritzfeld	B., 18, 1570	**48**, 996
Dibenzdiamidodibromdiphenyl	$(.C_6H_3Br.NHBz)_2$	$C_{26}H_{18}Br_2O_2N_2$	....	195; r.m. 99; r.s. 125–130; r.m. 195	Lellmann	B., 15, 2835, 2838	**44**, 343
Diphthalimidodibromdiphenyl	$[C_6H_4 : (CO)_2 : N]_2 : (C_6H_3Br)_2$	$C_{28}H_{14}Br_2O_4N_2$	....	300–301 u.c.	Gabriel	B., 11, 2262	**36**, 324
? -acid	$C_{28}H_{17}Br_3O_4(NO_2)_4$	$C_{28}H_{17}Br_3O_{12}N_4$	....	180	Fleischer	A., 144, 201	vi., 1087
Tetracetyltetrabromdiimidophenolphthaleïn	$C_6H_4(CNAc.C_6H_2Br_2.OAc)_2$	$C_{28}H_{20}Br_4O_6N_2$	....	241	Baeyer and Burkhardt	B., 11, 1299; A., 202, 117	**34**, 866
Br on k-nitrocamphor	....	$C_{30}H_{43}Br_2O_{14}N_3$	....	94–95	Schiff	G. I., 11, 21	**40**, 438
Diphenyldiisoindolazodibromphenol	For constitution see B., 15, 2495	$C_{40}H_{26}Br_4O_2N_6$	....	198	Möhlau	B., 15, 2492	**44**, 343
Ethyloxide + antimony tribromide	$Et_2O + SbBr_3$	$C_4H_{10}Br_3OSb$	begins 91	Liquid	Nicklés	C. R., 52, 369	vi., 596
Bromallylthiocarbimide	$C_3H_4Br.N : CS$	C_4H_4BrSN	200	....	Henry	B., 5, 188	vii., 50, 1018
Bromallylthiocarbamide	$NH_2.CS.NH.C_3H_4Br$	$C_4H_7BrSN_2$	....	110–111	„	„	vii., 50
„	„	„	see next	146	Maly	B. S. [2], 8, 129	v., 782
Allylthiocarbamidedibromide	$NH_2.CS.NH.C_3H_5Br_2$	$C_4H_8Br_2SN_2$	see preceding	146–147	„	Z. C. [1867], 42	
Bromphenylthiocarbimide	$C_6H_4Br.(N : CS)=1.4$	C_7H_4BrSN	....	60–61	Weith & Landolt	B., 8, 716	**28**, 1194
Bromphenylthiocarbizine....	....	$C_7H_6BrSN_2$	....	210	Fisher & Besthorn	A., 212, 331	**42**, 1095
Thioformamidobrombenzene	$C_6H_4Br.(NH.CSH)=1.4$	C_7H_6BrSN	....	189–190 d.	Dennstedt	B., 13, 236	**38**, 634
Bromphenylthiocarbamide	$NH_2.CO.NH.C_6H_4Br=1.4$	$C_7H_7BrSN_2$	....	183	„	B., 13, 231	„
Brombenzylthiocyanate	$Br.(CH_2.SCN)=1.2$	C_8H_6BrSN	....	?	....	A. C. J., 2, 316	....
„	„ $=1.4$	„	....	25	Jackson & Lowery	B., 10, 1212	**34**, 64
Bromphenyldithiourethane	$C_6H_4Br.NH.CS_2Et=1.4$	$C_9H_{10}BrS_2N$	...	89	Dennstedt	B., 13, 232	**38**, 634
Thioacetanilide + EtBr	$Ph.NH.CS.Me + EtBr$	$C_{10}H_{14}BrSN$	....	130	Bernthsen	A., 192, 1	**34**, 791
Dibromdiphenylthiocarbamide	$CS : N_2H_2(C_6H_4Br)_2=(1.4)$	$C_{13}H_{10}Br_2SN_2$	sb. 200	178	Otto	B., 2, 409	....
Bromdiphenylthiocarbamide	$Br.(NH.CS.NHPh)=1.4$	$C_{13}H_{11}BrSN_2$	....	158	Dennstedt	B., 13, 231	**38**, 634
Methyleneiodophenylsulphone	$Ph.SO_2.CH_2I$	$C_7H_7IO_2S$	....	64·5	Michael & Palmer	A. C. J., 6, 253	**48**, 536
Iodotoluenesulphonic acid	$Me.I.SO_3H=1.2.?$	$C_7H_7IO_3S$	....	L. 0	Mabery & Palmer	A. C. J., 6, 170	**48**, 539
„ „	$=1.4.?$	„	....	crystalline	Glassner	B., 8, 561	
Tolylsulphonethyliodide	$C_6H_4Me.SO_2.C_2H_4I=1.4$	$C_9H_{11}IO_2S$	....	100	Otto and Damköhler	J. p. [2], 30, 321	**48**, 538
Tetriodoxysulphobenzide....	$SO_2(C_6H_2I_2.OH)_2$	$C_{12}H_6I_4O_4S$	B., 9, 1150	260–270 d.	Annaheim	A., 172, 44	**27**, 796
Diiodoacetamide (A., 117, 356)	$CHI_2.CO.NH_2$	$C_2H_3I_2ON$	yellow 170; sb. 185–190	201–202; sf. 198	Curtius	B., 18, 1286	**48**, 884
Iodoacetamide (Z. C. [1871], 5)	$CH_2I.CO.NH_2$	C_2H_4ION	....	157–158	Henry	C. R., 100, 114	**48**, 373
β-Iodopropionamide	$CH_2I.CH_2.CO.NH_2$	C_3H_6ION	....	100–101	„	„	„
Iodosuccinimide	$CH_2.CH_2.CO.NI.CO$	$C_4H_4IO_2N$	d. 100	135 d.	Bunge	As., 7, 128	vi., 1043
Trinitroiodobenzene	$C_6H_2I(NO_2)_3$	$C_6H_2IO_6N_3$	....	164	Hepp	A., 215, 361	**44**, 316
Dinitroiodobenzene	$I.(NO_2)_2=1.2.4$	$C_6H_3IO_4N_2$	J. [1875], 322	88·5	Körner	G. I., 4, 305	**29**, 211
„	„ $=1.2.6$	„	„	113·7	„	„	„
Dinitroiodophenol....	$OH.I.(NO_2)_2=1.2.4.6$	$C_6H_3IO_5N_2$	„	*106*	Armstrong	B., 6, 651	vii., 916, 929
„ (Z. C. [1868], 325)	„ „	„	....	106	Post	B., 7, 336	**27**, 800
„	„ „	„	....	108	Weselsky	A., 174, 111	vii., 917, 929

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dinitroiodophenol....	$OH.I.(NO_2)_2$=1.4.2.6	$C_6H_3IO_6N_2$	J. [1875], 340	*112·9*	Körner	G. I., 4, 305	**29**, 231
"	" "	"	....	113	Armstrong	B., 6, 650	**vii.**, 917, 929
"	" "	"	....	113	Post	B., 7, 336	**27**, 800
Nitrodiiodobenzene	$I_2.NO_2$=1.3.4	$C_6H_3I_2O_2N$	J. [1875], 325	168·4	Körner	G. I., 4, 305	**29**, 222
Nitrodiiodophenol....	$OH.I_2.NO_2$=1.2.4.6	$C_6H_3I_2O_3N$	....	98	"	J. [1867], 617	**vi.**, 915; **vii.**, 929
" (cf. vii., 916)	" =1.2.6.4	"	....	154-155	Busch	B., 7, 462	**27**, 802
"	" "	"	A., 174, 108	*156·5*	Körner	J. [1867], 617	**vi.**, 915; **vii.**, 929
" (Z.C. [1868], 324)	" "	"	A., 205, 91	157–158	Post and Bracke-busch	B., 7, 168	**27**, 476; **vii.**, 923
Nitroiodobenzene	$I.NO_2$=1.3	$C_6H_4IO_2N$	290	Liquid	Schutzenberger and Segenwald	R. [1862], 144; J. [1862], 251	**vi.**, 269
"	" "	"	....	*34*	Griess	J. [1866], 457; Z. C. [1866], 218	**vi.**, 921; **vii.**, 138
"	" "	"	....	35–36	Richter	B., 4, 553	**24**, 824
"	" "	"	J. [1879], 388	36	Körner	G. I., 4, 305	**29**, 234
"	" =1.2	"	J. [1875], 321	49·4	"	"	**29**, 211
"	" =1.4	"	....	171	Kekulé	A., 137, 168	**vi.**, 269
"	" "	"	....	*171·5*	Griess	Z. C. [1866], 218; J. [1866], 457	**vi.**, 921; **vii.**, 138
"	" "	"	J. [1875], 320	171·5	Körner	G. I., 4, 305	**29**, 211
Nitroiodophenol	$OH.I.NO_2$=1.2.6	$C_6H_4IO_3N$	....	66–67	Hübner & Busch	B., 7, 462	**27**, 801
"	" =1.?.6	"	....	90–91	"	"	**vii.**, 917, 929
"	" =1.2.4	"	J. [1867], 616	*93*	Körner	Z. C. [1868], 324	**vi.**, 914
"	" "	"	....	93	Post	B., 7, 333	**27**, 800
"	" =1.2(?).6	"	....	109–110	Armstrong	....	**vii.**, 917, 929
" (?)	" =1.2.4	"	cf. vii., 916	154–155	Hübner & Busch	B., 7, 462	**27**, 802; **vii.**, 916, 929
Nitrodiiodoaniline	$NH_2.I_2.NO_2$=1.2.4.3	$C_6H_4I_2O_2N_2$	....	145·5	Michael & Norton	B., 11, 113	**34**, 406
"	" =1.2.6.4	"	....	243–244	"	B., 11, 114	**34**, 407
Nitroiodoaniline (?)	$NH_2.I.NO_2$=1.?.3	$C_6H_5IO_2N_2$	....	85–95	"	B., 11, 113	"
"	" =1.2.4	"	....	105·5	"	B., 11, 114	"
"	" =1.4.6	"	....	122	"	B., 11, 109	"
"	" =1.3.6	"	J. [1875], 353	nf. 220	Körner	G. I., 4, 305	**29**, 222
Nitroiodobenzoic acid β-	$CO_2H.I.NO_2$=1.3.?	$C_7H_4IO_4N$	....	174	Grothe	J. p. [2], 18, 326	**36**, 377
" " γ-	" =1.3.?	"	....	192	"	"	"
" "	" =1.4.5	"	....	210	Glassner	B., 8, 562	**28**, 888
" " α-	" =1.3.?	"	....	220	Cunze & Hübner	A., 135, 111	**vi.**, 316
" " α-	" "	"	....	*235*	Grothe	J. p. [2], 18, 325	**36**, 377
Nitroiodosalicylic acid	$CO_2H.OH.I.NO_2$=1.2.(?)$_2$	$C_7H_4IO_6N$	....	?	....	A., 174, 108	
" "	" =1.2.5.3	"	....	204	Hübner	B., 12, 1347	**36**, 928
" "	" =1.3.(?)$_2$	"	....	?	....	A., 174, 109	
" "	" =1.4.(?)$_2$	"	....	?	....	A., 174, 110	
Dinitroiodotoluene ...	$Me.I.(NO_2)_2$=1.4.(?)$_2$	$C_7H_5IO_4N_2$	....	137–138	Glassner	B., 8, 561	**27**, 897
Dinitroiodocresol	$OMe.I.(NO_2)_2$= ?	$C_7H_6IO_6N_2$	....	75	Heynemann	Z. C. [2], 6, 402	**vii.**, 1178
Nitrobenzyliodide....	$NO_2.CH_2I$=1.2	$C_7H_6IO_2N$	....	75	Kumpf	B., 17, 1074	**46**, 1005
"	" =1.4	"	....	127	"	"	"
Nitroiodotoluene	$Me.I.NO_2$=1.3.?	"	....	Liquid	Beilstein	Z. C. [2], 3, 102	**vii.**, 1166
"	" =1.4.5	"	....	55–56	Heynemann	A., 158, 344	**24**, 682
"	" =1.4.6	"	286 d.	60·5–61	"	A., 158, 337; Z. C. [2], 6, 402	**24**, 681; **vii.**, 1167
"	" =1.3.?	"	....	98–99	Beilstein	Z. C. [2], 3, 102	**vii.**, 1166
"	" =1.2.?	"	....	103–104	Heynemann	A., 158, 347	**24**, 682
"	" =1.3.?	"	....	108–109	"	A., 158, 350	
α-Amidoiodobenzoic acid....	$CO_2H.I.NH_2$=1.3.2 or 6	"	....	137	Grothe	J. p. [2], 18, 326	**36**, 377
β- " "	" =1.3.6 or 2	"	....	209 d.	"	J. p. [2], 18, 327	"
Iodethoxytrinitrobenzene	$(O.C_2H_4I).(NO_2)_3$=1.2.4.6	$C_8H_6IO_7N_3$	...	69·5	Andrews	B., 13, 244	**38**, 619
Acetamidoiodobenzene	NHAc.I=1.4	C_8H_8ION	....	181·5	Michael & Norton	B., 11, 108	**34**, 406
Hydrotropine iodide	....	$C_8H_{16}ION$	....	115	Ladenburg	A., 217, 74	**44**, 672
Diiodohydroxyquinoline	$C_9NH_4I_2.OH$	$C_9H_5I_2ON$	....	205	Ostermeyer	C. C. [1884], 937	**46**, 673
Iodocarbostyril	N.OH.I=$\alpha_1\beta_1\alpha_2$;	C_9H_6ION	....	276	Baeyer & Blöm	B., 15, 2149	**44**, 196
Ethylic β-nitroiodobenzoate	$CO_2Et.I.NO_2$=1.3.6 or 2	$C_9H_8IO_4N$	....	64	Grothe	J. p. [2], 18, 326	**36**, 377

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic α-nitroiodobenzoate	$CO_2Et.I.NO_2$=1.3.2 or 6	$C_9H_8IO_4N$	....	84	Grothe	J. p. [2], 18, 325	36, 377
Iodohydroxycyanconine	$C_9H_{12}IN_2.OH$	$C_9H_{13}ION_2$	....	157	Riess	J. p. [2], 30, 145	48, 236
Piperpropylalkine methiodide	$C_8H_{17}ON.MeI$	$C_9H_{20}ION$	....	142	Laun	B., 17, 680	46, 1054
Valerobetaïne iodide	$C_6H_{11}O_2.NMe_3I$	$C_9H_{20}IO_2N$	....	191 d.	Körner & Menozzi	G. I., 13, 351	46, 425
Nitroiodonaphthalene	$I.NO_2=\beta_1\alpha_1$;	$C_{10}H_6IO_2N$	....	88·5	Meldola	....	47, 519
„	„ $=\alpha_1\beta_1$;	„	....	108·5	„	....	„
„	„ $=\alpha_1\alpha_2$;	„	....	123	„	....	47, 519, 523
Nitroiodonaphthol	$OH.I.NO_2=\alpha_2\alpha_1\beta_2$;	$C_{10}H_6IO_3N$	....	145–146	„	....	47, 524
Cinchonic acid diiodide ...	$C_9H_6I_2N.CO_2H$	$C_{10}H_7I_2O_2N$	d. 200	242 d.	Claus	B., 18, 1308	48, 908
Methylphenylethylalkine methoperiodide	$NPhMe(C_2H_4.OH).MeI.I_4$	$C_{10}H_{16}I_6ON$	....	87 d.	Laun	B., 17, 677	46, 1011
Dimethoxybenzenetrimethylammonium iodide	$(OMe)_2.NMe_3I$=1.4.5	$C_{11}H_{18}IO_2N$	....	202	Baessler	B., 17, 2122	46, 1329
Diiodoazoxybenzene	$ON_2(C_6H_4I)_2=(1.3)_2$	$C_{12}H_8I_2ON_2$	....	crystalline	Gabriel	B., 9, 1410	31, 307
„	„ $=(1.4)_2$	„	....	199–199·5	„	B., 9, 1408	„
Nitroiodacenaphthalide	$NHAc.I.NO_2=\alpha_2\alpha_1\beta_2$;	$C_{12}H_9IO_3N_2$	....	235–236	Meldola	....	47, 523
Iodacenaphthalide....	$NHAc.I=\alpha_2\alpha_1$;	$C_{12}H_{10}ION$	....	196	„	....	„
Ethylic collidinecarboxylate methiodide	$C_5HNMe_3.CO_2Et+MeI$	$C_{12}H_{18}IO_2N$	....	128	Michael	A., 225, 121	48, 62
Benzamidodiiodobenzene	$NHBz.I_2$=1.2.4	$C_{13}H_9I_2ON$	....	181	Rudolph	B., 11, 81	34, 423
Benzamidoiodobenzene	NHBz.I=1.2 (?)	$C_{13}H_{10}ION$	....	180	Hübner	B., 10, 1717	34, 143
„	„ =1.4 (?)	„	....	210	„	B., 10, 1718	
Iodophenylphthalimide	$C_6H_4:(CO)_2:N.C_6H_4I$ =1.2 ; 1.4	$C_{14}H_8IO_2N$	....	227–228	Gabriel	B., 11, 2261	36, 324
Harmine methiodide	$C_{13}H_{12}ON_2.MeI$	$C_{14}H_{15}ION_2$	dark 282	298	Fischer & Täube	B., 18, 402	48, 820
Harmaline methiodide	$C_{13}H_{14}ON_2.MeI$	$C_{14}H_{17}ION_2$	....	260	„	B., 18, 405	48, 821
Diethylic collidinedicarboxylate+HI	$C_5NMe_3(CO_2Et)_2+HI$	$C_{14}H_{20}IO_4N$	....	170 d.	Hantzsch	A., 215, 1	44, 83
„ +MeI	$C_5NMe_3(CO_2Et)_2+MeI$	$C_{15}H_{22}IO_4N$	....	138	„	A., 215, 25	„
„ „	„	„	d. 160	140	„	B., 17, 1021	46, 1045
Dimethamidobenzophenone +MeI	$C_6H_4Bz.NMe_3I$	$C_{16}H_{18}ION$	A., 210, 269	181 d.	Döbner & Weiss	B., 14, 1836	42, 176
Nitrosodimethaniline triiodide	$2[C_6H_4(NO).NMe_2]I_3$	$C_{16}H_{20}I_3O_2N_4$	....	115·5	Dafert	M. C., 4, 496	44, 978
Campherethylimidethylimidine ethiodide	$C_{18}H_{14}.C(NEt).NEt.CO+EtI$	$C_{16}H_{29}ION_2$	....	244–245 d.	Wallach and Kamenski	B., 14, 163 ; A., 214, 246	40, 285
Ethylic phenyllutidinecarboxylate methiodide	$C_5NHPhMe_2.CO_2Et+MeI$	$C_{17}H_{20}IO_2N$	sf. 200	205–206 d.	Hantzsch	B., 17, 2914	48, 398
Tolufurfuraldehydine +MeI	$C_{17}H_{14}O_2N_2+MeI$	$C_{16}H_{17}IO_2N_2$	....	195·5 d.	Ladenburg	B., 11, 1658	36, 234
„ $+MeI_3$	$C_{17}H_{14}O_2N_2+MeI_3$	$C_{18}H_{17}I_3O_2N_2$	....	126–128	„	„	„
„ $+MeI_6$	$C_{17}H_{14}O_2N_2+MeI_6$	$C_{18}H_{17}I_6O_2N_2$	....	109	„	„	„
Homocinchonidine methiodide	$C_{19}H_{22}ON_2+MeI$	$C_{20}H_{25}ION_2$	A., 90, 221	248 d.	Claus and Bock	B., 13, 2192	40, 184
Methylcinchonine periodide	....	$C_{20}H_{25}I_3ON_2$	....	90–92	Jörgensen	J. p. [2], 3, 145	vii., 340
Nitrosodiethaniline triiodide	$2[C_6H_4(NO).NEt_2]_2I_3$	$C_{20}H_{28}I_3O_2N_4$	....	118	Dafert	M. C., 4, 496	44, 978
Methylcinchonine methiodide	$C_{20}H_{24}ON_2.MeI$	$C_{21}H_{27}ION_2$	....	201	Claus and Müller	B., 13, 2293	40, 289
Cinchonidine methiodide.. .	„	„	....	245–255 d.	Claus and Dannenbaum	B., 13, 2188	40, 183
Homocinchonidine ethiodide	$C_{19}H_{22}ON_2.EtI$	„	B., 14, 47	261 d.	Claus	B., 11, 1821	36, 168
Quinine methiodide	$C_{20}H_{24}O_2N_2.MeI$	$C_{21}H_{27}IO_2N_2$	d. 210–215	233–236 d.	Claus and Mallmann	B., 14, 76	40, 619
Methylcinchonine triiodide	$C_{20}H_{24}ON_2.MeI_3$	$C_{21}H_{27}I_3ON_2$	....	161–162	Jörgensen	J. p. [2], 3, 145	vii., 340
Methylquinine „	$C_{20}H_{24}O_2N_2.MeI_3$	$C_{21}H_{27}I_3O_2N_2$	....	159–160	„	„	„
Methylquinidine „	„	„	....	164–165	„	J. p. [2], 3, 153	„
Papaverine methiodide	$C_{21}H_{21}O_4N.MeI$	$C_{22}H_{24}IO_4N$	....	80 u.c.	Claus & Huëtlin	B., 18, 1577	48, 996

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Cinchonidine ethiodide	$C_{20}H_{24}ON_2.EtI$	$C_{22}H_{29}ION_2$	....	249 d.	Claus and Dannenbaum	B., 13, 2188	40, 183
Quinine ethiodide	$C_{20}H_{24}O_2N_2.EtI$	$C_{22}H_{29}IO_2N_2$	A., 91, 163	210–211 d.	Claus and Mallmann	B., 14, 78	26, 1180
Methylquinine methiodide	$C_{20}H_{23}MeO_2N_2.MeI$	"	....	215–218	"	B., 14, 80	
Cinchonine ethtriiodide	$C_{20}H_{24}ON_2.EtI_3$	$C_{22}H_{29}I_3ON_2$	....	141–142	Jörgensen	J. p. [2], 3, 152	vii., 340
Quinine "	$C_{20}H_{24}O_2N_2.EtI_3$	$C_{22}H_{29}I_3O_2N_2$	....	150–151	"	"	"
Cinchonine dimethiodide...	$C_{20}H_{24}ON_2.2MeI$	$C_{22}H_{30}I_2ON_2$	brown 210	235 d.	Claus and Müller	B., 13, 2293	40, 289
Quinine dimethiodide	$C_{20}H_{24}O_2N_2.2MeI$	$C_{22}H_{30}I_2O_2N_2$	brown 140	140–160 d.	Claus & Mallmann	B., 14, 77	
Papaverine ethiodide	$C_{21}H_{21}O_4N.EtI$	$C_{23}H_{26}IO_4N$	....	216	Claus & Huëtlin	B., 18, 1577	48, 996
Ethylhomocinchonidine ethiodide	$C_{19}H_{21}EtON_2.EtI$	$C_{23}H_{31}ION_2$	....	236	Claus	B., 11, 1823	36, 169
Homocinchonidine diethiodide	$C_{19}H_{22}ON_2.2EtI$	$C_{23}H_{32}I_2ON_2$	....	255 d.	"	B., 11, 1824	"
Quinine methiodethiodide	$C_{20}H_{24}O_2N_2.MeI.EtI$	$C_{23}H_{32}I_2O_2N_2$	....	157–160 d.	Claus & Mallmann	B., 14, 77	
Quinine ethiodmethiodide	"	"	....	206–208 d.	"	B., 14, 78	
Brucine methiodide ...	$C_{23}H_{26}O_4N_2.MeI$	$C_{24}H_{29}IO_4N_2$	....	270	Hanssen	B., 17, 2267	48, 64
Tri(nitrosodimethaniline) diiodide	$3(C_6H_4.NO.NMe_2)I_2$	$C_{24}H_{30}I_2O_3N_6$	....	123·5	Dafert	M. C., 4, 496	44, 978
Narceïne methiodide	$C_{23}H_{29}O_9N.MeI$	$C_{24}H_{32}IO_9N$	....	173 d.	Claus & Ritzfeld	B., 18, 1571	48, 996
Ethylcinchonine ethiodide	$C_{20}H_{23}EtON_2.EtI$	$C_{24}H_{33}ION_2$	....	242 d.	Claus and Kemperdick	B., 13, 2288	40, 289
Ethylcinchonidine ethiodide	"	"	....	257 d.	Claus and Dannenbaum	B., 13, 2191	40, 183
Cinchonine diethiodide	$C_{20}H_{24}ON_2.2EtI$	$C_{24}H_{34}I_2ON_2$	....	264 d.	Claus and Kemperdick	B., 13, 2288	40, 289
Quinine diethiodide	$C_{20}H_{24}O_2N_2.2EtI$	$C_{24}H_{34}I_2O_2N_2$	....	115	Skraup	M. C., 2, 611	42, 219
p-Nitrotetramethdiamidotriphenylmethane dimethiodide	$C_6H_4.NO_2.[CH(C_6H_4.NMe_2)_2]+2MeI$	$C_{25}H_{31}I_2O_2N_3$	....	220 d.	Fischer	B., 14, 2526	42, 393
m- " "	" "	"	....	225	Fischer & Ziegler	B., 13, 672	38, 662
Malachite green methiodide	$Ph.C(OH)(C_6H_4.NMe_2)_2.2MeI$	$C_{25}H_{32}I_2ON_2$	B., 15, 236	171–172 d.	Döbner	B., 13, 2225; A., 217, 254	40, 165
Dimethanilinephthaleïn dimethiodide	$C_6H_4(CO.C_6H_4.NMe_2)_2.2MeI$	$C_{26}H_{30}IO_2N_2$	....	185 d.	Fischer	A., 206, 95	40, 588
Tri(nitrosodiethaniline) diiodide	$3(C_6H_4.NO.NEt_2)I_2$	$C_{30}H_{42}I_2O_3N_6$	....	127	Dafert	M. C., 4, 496	44, 978
Phenoxydiphenylmethylphosphonium iodide	$PMePh_2I.OPh$	$C_{19}H_{18}IOP$	s.d. 131	134–136	Michaelis and Coste	B., 18, 2116	48, 1215
Tetrahydroxyamylidene phosphonium iodide	$(C_5H_{10}.OH)_4PI$	$C_{20}H_{44}IO_4P$	....	119	Girard	A. C. [6], 2, 1; C. R., 94, 215	46, 1119
Benzarseniodide	$AsI_2.(C_6H_4.CO_2H)$	$C_7H_5I_2O_2As$	....	153	Coste	A., 208, 13	40, 904
Dibenzarseniodide....	$AsI.(C_6H_4.CO_2H)_2$	$C_{14}H_{10}IO_4As$	....	a. 280	"	A., 208, 24	40, 905
Methylthiocarbamide+HI	$NH_2.CS.NHMe+HI$	$C_2H_7ISN_2$	....	b. 100	Bernthsen and Klinger	B., 11, 493	34, 569
Thiocarbamide+MeI	....	"	....	117	"	B., 11, 493	"
Allylthiocarbamide+I_2	$C_3H_5.NH.CS.NH_2+ -_2$	$C_4H_8I_2SN_2$	....	90 d.	Maly	Z. C. [2], 5, 258	vi., 1088
Methylthiocyanopropimine +HI	$SCN.CH_2.CMe:NMe+HI$	$C_5H_9ISN_2$	....	157	Tscharniac and Norton	C. R., 96, 494	44, 568
Allylthiocarbamide+EtI	$C_3H_5.NH.CS.NH_2+EtI$	$C_6H_{13}ISN_2$	A., 94, 103	72	....	J. [1869], 259	
Iodophenylthiocarbimide....	$C_6H_4I.(N:CS)=1.4$	C_7H_4ISN	....	65	Losanitsch	B., 5, 158	
Iodobenzylthiocyanate	$C_6H_4I.(CH_2.SCN)=1.4$	C_8H_6ISN	....	40	Mabery and Jackson	B., 11, 58; A.C.J., 2, 250	34, 422
Methenylamidothiophenol +MeI	$C_6H_4.N:CH.S+MeI$	C_8H_8ISN	....	210	Hofmann	B., 13, 16	36, 388
Thiacetophenamide+MeI	$Me.CS.NHPh+MeI$	$C_9H_{12}ISN$	....	139	Bernthsen	A., 192, 1	34, 791
Ethylene phenyldithiocarbamate+MeI	$NPh.CI(SMe).CH_2.CH_2$	$C_{10}H_{12}IS_2N$	....	149	Will	B., 15, 346	

4 P 2

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylene p-tolyldithiocarbamate+MeI	$N(C_6H_4Me).CI(SMe).S.C_2H_4$	$C_{11}H_{14}IS_2N$	....	107	Will and Bielschowski	B., 15, 1318	
„ o- „ „	....	„	....	151	„	„	**42**, 1091
Diiododiphenylthiocarbamide	$CS(NH.C_6H_4I)_2=(1.4)_2$	$C_{13}H_{10}I_2SN_2$	....	173	Losanitsch	B., 5, 158	
Phenylimidophenylcarbaminthiethyl+HI	NPh : C(NHPh).SEt+HI	$C_{16}H_{17}ISN_2$	....	157·5	Bernthsen and Friese	B., 15, 567	**42**, 966
Thiocyanocarbonic acid	$SNC.CO_2H$	C_2HO_2SN	....	43	Henry	J. p. [2], 9, 464	**28**, 58
Methylic thiocarbamate	$NH_2.CS.OMe$	C_2H_5OSN	....	43	Salomon	J. p. [2], 8, 115	**27**, 362, 363
Methylic carbaminethionate	$NH_2.CO.SMe$	„	....	95–98	Blankenhorn	J. p. [2], 16, 358	**34**, 215
Dinitrodimethylsulphonamide	fr. $SO_2(NHMe)_2$	$C_2H_6O_6SN_4$	d. 160	90	Franchimont	C. C. [1885], 384	**48**, 970
Ethylsulphonamide	$Et.SO_2.NH_2$	$C_2H_7O_2SN$	....	58 u.c.	James	J. p. [2], 26, 384	**43**, 43
Dimethylsulphamic acid	$NMe_2.SO_3H$	$C_2H_7O_3SN$	....	165 d.	Behrend	B., 15, 1613	**42**, 1282
Isethionamide	$HO.CH_2.CH_2.SO_2.NH_2$	„	B., 12, 1605	190–193	Seyberth	B., 7, 392	**27**, 790; **38**, 28
Amidoisethionic acid (Taurine)	$NH_2.CH_2.CH_2.SO_3H$	„	....	a. 360	Dittrich	J. p. [2], 18, 63	**36**, 226
Dimethylsulphoxide nitrate	$Me_2SO+HNO_3$	$C_2H_7O_4SN$	....	100	Saytzeff	A., 144, 148	vi., 827
Dimethylsulphonamide	$NHMe.SO_2.NHMe$	$C_2H_8O_2SN_2$	....	78	Franchimont	C. C. [1885], 384	**48**, 969
„	$NMe_2.SO_2.NH_2$	„	....	96–96·5	Behrend	B., 15, 1611	**42**, 1282
Ammonium isethionate	$HO.CH_2.CH_2.SO_3NH_4$	$C_2H_9O_4SN$	....	130	Strecker	....	vii., 705
„ „	„	„	....	*135*	Seyberth	B., 7, 391	**27**, 790
Acetyl thiocyanate	Me.CO.SCN	C_3H_3OSN	131–132	Liquid	Miquel	C. R., 81, 1209	**29**, 570
„ „	„	„	*132–133*	Liquid	„	A. C. [5], 11, 295	**32**, 869
Rhodaninic acid	$HS.CH_2.CO.S.CN$	$C_3H_3OS_2N$	B., 12, 1594	168–170	Nencki	J. p. [2], 16, 4	
Thiocarbimidacetic acid	$CS:N.CH_2.CO_2H$	$C_3H_3O_2SN$	B., 14, 734	b. 100	Volhard	J. p. [2], 9, 6	**27**, 574
„ „ ...	„	„	B., 12, 1594	*125–126*	Claësson	B., 10, 1353	**34**, 39
„ „	„	„	....	128	Nencki	J. p. [2], 16, 1	**32**, 873
Thiocyanacetic acid	$NC.S.CH_2.CO_2H$	„	$+\frac{1}{2}H_2O$	149 d.	Claësson	B., 14, 731	
Thiocyanuracetic acid	....	„	or triple polymer	199·5 d.	„	B., 10, 1346; 14, 733	
Glycolylthiocarbamide (Thiohydantoïn) (A., 166, 383; 168, 133)	$NH.CS.NH.CH_2.CO$ or NH : $C.S.CH_2.CO.NH$	$C_3H_4OSN_2$	B., 8, 1264; 10, 824, 1352, 1853; 12, 972, 1385	200 d.	Richter	R. K. T., 39; B., 12, 1593; 13, 788, 1422; M. C., 1, 442; A., 207, 121	
Methylic thioxamate	$NH_2.CS.CO_2Me$	$C_3H_6O_2SN$	....	86	Weddige	J. p. [2], 10, 200	**28**, 448
Carbaminethioglycollic acid	$NH_2.CO.S.CH_2.CO_2H$	$C_3H_5O_3SN$	....	132–134	Claësson	B., 10, 1350	**34**, 38
„ „	„	„	....	142–143	Nencki	J. p. [2], 17, 69	**34**, 663
„ „	„	„	....	*143*	„	J. p. [2], 16, 11	**32**, 873
Acetylthiocarbamide	$NH_2.CS.NHAc$	$C_3H_6OSN_2$	....	11·5 u.c. (sic)	„	B., 6, 599	**26**, 1130
„	„	„	....	165 (sic)	Nencki & Leppert	B., 6, 905	
Ethylic thiocarbamate (Xanthamide)	$NH_2.CS.OEt$	C_3H_7OSN	A., 75, 128	36	Debus	A., 72, 11	v., 492
„ „ ...	„	„	A., 82, 262	*38*	Salomon	J. p. [2], 8, 115	**27**, 362
Ethylic isothiocarbamate....	$NH_2.CO.SEt$	„	....	102	Pinner	B., 14, 1083	**40**, 811
„ „	„	„	....	*108*	....	J. p. [2], 7, 257; 10, 32; 16, 375	
Methyltaurine	$NHMe.CH_2.CH_2.SO_3H$	$C_3H_9O_3SN$	....	241–242	Dittrich	J. p. [2], 18, 63	**36**, 225
Taurocyamine	$C_2H_4(CH_4N_3).SO_2H$	$C_3H_9O_3SN_3$	....	224–226	„	J. p. [2], 18, 76	**36**, 226
Tauroglycocyamine	NH : $C(NH_2).NH.CH_2.CH_2.SO_3H$	„	....	260	Engel	B., 8, 1597	
Dinitrothiophene	$C_4SH_2(NO_2)_2$	$C_4H_2O_4SN_2$	290 p.d.	52	Meyer & Stadler	B., 17, 2649	**48**, 141, 250
„	....	„	....	75–76	„	B., 17, 2650	„
„	....	„	....	*78*	Stadler	B., 18, 530	**48**, 764
Nitrothiophene (B., 18, 533)	$C_4SH_3.NO_2$	$C_4H_3O_2SN$	224–225 c.	44	Meyer & Stadler	B., 17, 2649	**48**, 141
Nitrothienol	$C_4SH_2.OH.NO_2$	$C_4H_3O_3SN$	....	115–116	Stadler	B., 18, 2319	**48**, 1205

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrothiophenesulphonic acid	$C_4SH_2.NO_2.SO_3H$	$C_4H_3O_5S_2N$	....	d.	Stadler	B., 18, 534	48, 764
Methylthioparabanic acid	CS.NMe.CO.CO.NH	$C_4H_4O_2SN_2$	....	105	Andreasch	B., 14, 1448; M. C., 2, 278	40, 897
Nitrothiophenesulphonamide	$C_4SH_2.NO_2.(SO_2.NH_2)$	$C_4H_4O_4S_2N_2$	....	172–173 u.c.	Stadler	B., 18, 536	48, 764
Ethylic thiocyanocarbonate	$NC.S.CO_2Et$	$C_4H_5O_2SN$	160–210 d.	41	Henry	J. p. [2], 9, 464	28, 57
Thiodiglycollimide	....	"	....	128	Schulze	Z. C. [1866], 182	v., 777
α-Thiophenesulphonamide	$S.(SO_2.NH_2){=}1.2$	$C_4H_5O_2S_2N$	....	141	Meyer and Kreis	B., 16, 2173	46, 46
"	" "	"	....	*142*	Langer	B., 17, 1568	46, 1133
β- "	" =1.3	"	....	147–148	"	B., 18, 562	
"	" "	"	....	*148*	"	B., 17, 1568	46, 1133
Thiophenedisulphonamide	$S.(SO_2.NH_2)_2{=}?$	$C_4H_6O_4S_3N_2$	....	142	"	B., 18, 561	48, 766
"	" "	"	....	213	Jäkel	"	
"	" "	"	black 240	280 d.	Langer	B., 18, 556	48, 766
Ethylic thioxamate	$NH_2.CS.CO_2Et$	$C_4H_7O_2SN$	....	63	Weddige	J. p. [2], 9, 133	27, 567
Methylic carbaminethioglycollate	$NH_2.CO.S.CH_2.CO_2Me$	$C_4H_7O_3SN$	....	75–80	Claësson	B., 10, 1351	
Thiodiglycollamic acid	....	"	....	125	Schulze	Z. C. [1866], 183	v., 776
Thiocyanopropiminenitrate	$SCN.CH_2.CNHMe+HNO_3$	$C_4H_7O_3SN_4$	....	183	Tscherniac and Norton	C. R., 96, 494	44, 568
Ethylic dithioallophanate	$NH_2.CS.NH.CS.OEt$	$C_4H_8OS_2N_2$	....	170–175 d.	Blankenhorn	B., 10, 446; J. p. [2], 16, 361	32, 424; 34, 215
Ethylic thioallophanate	$NH_2.CO.NH.CS.OEt$	$C_4H_8O_2SN_2$	....	180 d.	Peitsch and Salomon	J. p. [2], 7, 477	27, 364
Dithioglycollamide	$(.S.CH_2.CO.NH_2)_2$	$C_4H_8O_2S_2N_2$	....	155	Claësson	B., 14, 411	40, 581
Sulphonediacetamide	$(NH_2.CO.CH_2)_2SO_2$	$C_4H_8O_4SN_2$	....	d.w.m. 220	Lovén	B., 17, 2822	48, 241
Ethylthioglycollamide	$EtS.CH_2.CO.NH_2$	C_4H_9OSN	....	44	Claësson	B. S. [2], 23, 445	29, 568
Ethyltaurine	$NHEt.CH_2.CH_2.SO_3H$	$C_4H_{11}O_3SN$	....	147	James	....	47, 369
Dimethyltaurine	$NMe_2.CH_2.CH_2.SO_3H$	"	....	d.w.m. 270–280	"	....	47, 371
Tetramethylsulphonamide	$SO_2(NMe_2)_2$	$C_4H_{12}O_2SN_2$	....	73	Behrend	B., 14, 722, 1811	40, 717
Ht. on Am. isethionate	$O[(CH_2)_2.SO_2.ONH_4]_2$	$C_4H_{15}O_7S_2N_2$	$C_2H_7O_3SN$	196–198	Carl	B., 12, 1605	38, 28
Dimethhydrazine sulphate	$(NMe_2.NH_2)_2H_2SO_4$	$C_4H_{18}O_4SN_4$	....	105	Renouf	B., 13, 2171	40, 152
α-Thiophenamide	$S.(CO.NH_2){=}1.2$	C_5H_5OSN	....	171·5	Peter	B., 18, 543	48, 765
β- "	" =1.3	"	....	180 u.c.	Nahnsen	B., 17, 2196	48, 52
Ethylidenerhodanic acid	CHMe : C(SH).CO.S.CN	$C_5H_5OS_2N$	....	147–148	Nencki & Bourquin	B., 17, 2279	48, 40
Methylacetylenecarboxylthiocarbamide	$CMe{\vdots}C.CO.S.C(NH_2){:}NH$	$C_5H_6OSN_2$	....	a. 300	Nencki & Silber	J. p. [2], 25, 72	40, 501
Dimethylthioparabanic acid (thiocholestrophane)	CS.NMe.CO.CO.NMe	$C_5H_6O_2SN_2$	....	112·5	Andreasch	B., 14, 1450; M. C., 2, 281	40, 897
Butyrylthiocyanate	$C_3H_7.CO.S.CN$	C_5H_7OSN	180 d.	Liquid	Miquel	A. C. [5], 11, 295	32, 869
Ethylic thiocyanacetate	$NC.S.CH_2.CO_2Et$	$C_5H_7O_2SN$	220 p.d.	J., 18, 347	Heintz	A., 136, 223	
" "	"	"	225	Liquid	Claësson	B., 10, 1349	
" thiocyanuracetate	....	"	$(polymer)_3$	80·5	Heintz	A., 136, 223	
" "	....	"	B., 10, 1347	*81*	Claësson	B., 14, 733	
Thiacetonuramic acid	See B., 11, 469	"	B., 6, 1117	152	Urech	B., 11, 467	34, 488
Succinothiocarbamic acid....	$NH_2.CS.NH.CO.CH_2.CH_2.CO_2H$	$C_5H_8O_3SN_2$	....	210·5–211	Pike	C. N., 28, 173; B., 6, 1105	27, 49
Ethylic acetyldithiocarbamate	$NHAc.CS_2Et$	$C_5H_9OS_2N$	....	122–123	Chanlaroff	B., 15, 1987	44, 40
Ethylic ethylthiocarbamate	NHEt.CS.OEt	$C_5H_{11}OSN$	204–208	Liquid	Mulder and others	J. p., 103, 178	vi., 1049
" "	NHEt.CO.SEt	"	204–208	Liquid	"	"	"
" "	"	"	204–208	Liquid	Hofmann	B., 2, 118	
Isobutylic thiocarbamate....	$NH_2.CS.OBu^{\beta}$	"	J. p., 16, 380	36	Mylius	B., 5, 976	26, 266
Allyltaurine	$NH(C_3H_5).C_2H_4.SO_3H$	$C_5H_{11}O_3SN$	....	190–195	James	....	47, 369
Trimethyltaurine	$NMe_2.C_2H_4.SO_3Me$	$C_5H_{13}O_3SN$	....	nf. b., 300	"	....	47, 373
Dimethyltaurocyamine	$Me_2(CN.NH_2)N.C_2H_4.SO_3H$	$C_5H_{13}O_3SN_3$	....	245 d.	"	....	47, 374
Nitro-β-thiënylglyoxylic acid	$S.NO_2.(CO.CO_2H){=}1.?.3$	$C_6H_3O_5SN$	....	92; sf. 78	Peter	B., 18, 542	48, 765

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Trinitrobenzenesulphonic acid	$C_6H_2(NO_2)_3.SO_3H$	$C_6H_3O_9SN_3$	....	185	Willgerodt	J. p. [2], 32, 117	**48**, 1232
„ „	„	„	$+H_2O$	100	„	„	„
Dinitrothiophenol....	$SH.(NO_2)_2=1.2.4$	$C_6H_4O_4SN_2$	....	272–280	„	B., 9, 978	**30**, 405
„	„ „	„	....	*275–280*	„	B., 10, 1686	**34**, 141
Dinitro-β-acetothiënone	$S.Ac.(NO_2)_2=1.3.(?)_2$	$C_6H_4O_6SN_2$	....	166–167 p. d.	Peter	B., 18, 541	**48**, 765
Dinitrobenzenesulphonic acid	$SO_3H.(NO_2)_2=1.2.4$	$C_6H_4O_7SN_2$	....	106–108	Willgerodt and Mohl	C. C. [1884], 809	**48**, 665
Nitrothiophenol	$SH.NO_2=1.4$	$C_6H_5O_2SN$	....	77	Willgerodt	B., 18, 331	**48**, 519
Isonitrosothiënylacetic acid	$S.[C(NOH).CO_2H]=1.3$	$C_6H_5O_3SN$	....	136 d.	Peter	B., 18, 539	**48**, 765
Nitroacetothiënone	$S.Ac.NO_2=1.3.?$	„	....	86	„	B., 17, 2647 ; 18, 541	**48**, 142, 765
„ ...	„ $=1.3.?$	„	....	122·5	„	B., 17, 2647 ; 18, 540	„
Nitrobenzenesulphonic acid	$SO_3H.NO_2=1.3$	$C_6H_5O_5SN$	A., 177, 66	60–70	Rose	Z. C. [2], 7, 234	**25**, 1016
Dinitrobenzenesulphonamide	$(SO_2.NH_2).(NO_2)_2=1.2.3$	$C_6H_5O_6SN_3$	....	235	Limpricht	B., 9, 554	**30**, 303
„	„ „	„	....	238	Sachse	A., 188, 448	**32**, 752
Nitroresorcinolsulphonic acid	$(OH)_2.NO_2.SO_3H=1.3.(?)_2$	$C_6H_5O_7SN$	$+1\frac{1}{2}H_2O$	124–125	Hazura	M. C., 4, 610	**44**, 1114
Oxalylallylthiocarbamide	$NH.CS.N(C_3H_5).CO.CO$	$C_6H_6O_2SN_2$	....	89–90	Maly	Z. C. [2], 5, 260	vi., 1088
Nitrobenzenesulphonamide	$(SO_2.NH_2).NO_2=1.4$	$C_6H_6O_4SN_2$	....	*131*	Limpricht	B., 8, 431 ; A., 177, 75	**28**, 896, 1027
„	„ „	„	....	131	Mahrenholz	A., 202, 331	**38**, 805
„	„ „	„	....	131	Hofmann	B., 13, 20	**38**, 389
„	„ „	„	....	135	Limpricht	B., 18, 2174, 2175	
„	„ $=1.3$	„	....	160–161	Goslich	B., 8, 352 ; A., 180, 93	**28**, 765 ; **29**, 930
„	„	„	....	*161*	Limpricht	B., 8, 431 ; A., 177, 71	**28**, 896, 1027
„	„ „	„	....	161	Claus and Moser	B., 11, 762	**34**, 865
„	„ „	„	....	162	Biedermann	B., 8, 1675	**29**, 695
„	„ „	„	....	164	Hofmann	B., 13, 20	**38**, 389
„	„ „	„	....	166	Limpricht	B., 18, 2174, 2175	
„	„ $=1.2$	„	....	186	„	B., 8, 431 ; 18, 2175 ; A., 177, 78	**28**, 896, 1028
„	„ „	„	....	*188*	„	B., 10, 320	**32**, 193
„	„ „	„	....	188	Bahlmann	A., 186, 307	**32**, 611
„	„ „	„	....	188	Hofmann	B., 13, 20	**38**, 389
Dinitro-β-ethylthiophenene	$S.Et.(NO_2)_2=1.3.(?)_2$	„	....	Liquid	Bonz	B., 18, 552	**48**, 767
Thiënylmethylacetoxime....	$S.(CMe:NOH)=1.3$	C_6H_7OSN	....	110	Peter	B., 17, 2645	**48**, 141
Benzenesulphonamide	$C_6H_5(SO_2.NH_2)$	$C_6H_7O_2SN$	A., 87, 299	147–148	Ascher & Meyer	B., 4, 326	**24**, 554
„	„	„	A., 159, 11	*149*	Otto and Ostrop	A., 141, 373	vi., 1048
„	„	„	J. [1852], 434	149	Lindon and Otto	Z. C. [2], 4, 39	vi., 273
„	„	„	....	149	Heumann and Köchlin	B., 15, 1118	
„	„	„	A., 140, 294	153	Stenhouse	P. R., 14, 351	v., 489, 523
„	„	„	....	156	Hybbeneth	A., 221, 204	**46**, 72
Nitrothioxylene	$CSHMe_2.NO_2$	„	....	Liquid	Messinger	B., 18, 1638	**48**, 1052
Nitroamidobenzenesulphonamide	$NH_2.NO_2.(SO_2.NH_2)=1.2.?$	$C_6H_7O_4SN_3$	....	155–156	Goslich	B., 8, 354 ; A., 180, 104	**28**, 765 ; **29**, 930
Nitrobenzenedisulphonamide	$(SO_2.NH_2)_2.NO_2=1.3.5$	$C_6H_7O_6S_2N_3$	....	242	Limpricht and Heintzelmann	B., 9, 551 ; A., 188, 165	**30**, 302 ; **32**, 771
Acetylthiocyanopropimine	$SCN.CH_2.CMe:NAc$	$C_6H_8OSN_2$	....	130	Tscherniac and Norton	C. R., 96, 494	**44**, 568
„	„	„	B., 16, 348	*134*	„	A. C. J., 5, 227	**46**, 665
Amidobenzenesulphonamide	$NH_2.(SO_2.NH_2)=1.3$	$C_6H_8O_2SN_2$	A., 177, 72	135	Limpricht	B., 8, 432	**28**, 896, 1027
„ „	„ „	„	....	142	Hybbeneth	A., 221, 204	**46**, 72
Citracothiocarbamic acid....	$NH_2.CS.NH.CO.C_3H_4.CO_2H$	$C_6H_8O_3SN_2$	....	222–223 d.	Pike	C. N., 28, 173 ; B., 6, 1106	**27**, 50

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Benzenedisulphonamide	$(SO_2.NH_2)_2$=1.3	$C_6H_8O_4S_2N_2$	....	210	Nolting	B., 8, 1113	**29**, 395
"	" "	"	B., 9, 584	*229*	Körner and Monselise	G. I., 6, 133	**31**, 81
"	" "	"	....	229	Limpricht	B., 9, 552	**30**, 302
"	" =1.2	"	....	233	"	B., 9, 553	**30**, 303
"	" =1.4	"	B., 9, 584	288	Körner and Monselise	G. I., 6, 133	**31**, 81
CarbamidocarbaminditHioglycollic acid	$CO_2H.CH_2.S.C(NH).NH.CO.S.CH_2.CO_2H$	$C_6H_8O_6S_2N_2$	....	149 d.	Claesson	B., 14, 731	**40**, 715
Nitroxylenesulphonic acid	$Me_2.NO_2.SO_3H$=1.3.4.6	$C_8H_9O_5SN$	....	122	Harmsen	B., 13, 1559	
Ethylthiocarbimide oxide	NEt.CS.CS.NEt.O	$C_6H_{10}OS_2N_2$	....	42	Sell	B., 6, 323	**26**, 881
Ethylic oxythiocyanate (?)	....	$C_6H_{10}O_2SN_2$ (?)	....	b. 100	....	A., 82, 279	
Ethylic allylthiocarbamate	$NH(C_3H_5).CS.OEt$	$C_6H_{11}OSN$	210–215	Liquid	Hofmann	Z. C. [2], 5, 268; B.,2,119; A.,52,30	vi., 1050
Isobutylic thioxamate	$NH_2.CS.CO_2Bu^\beta$	$C_6H_{11}O_2SN$	....	58	....	J. p. [2], 10, 201	
Ethylic thiocyanformate alcoholate	....	$C_6H_{11}O_3SN$	....	43–44	....	J. p. [2], 9, 466; 10, 119	
Isoamylic thiocarbamate	$NH_2.CS.O(C_5H_{11})$	$C_6H_{13}OSN$	184	....	Johnson	A., 84, 337	**5**, 142; i., 206
" "	$NH_2.CO.S(C_5H_{11})$	"	....	107	Schöne	J. p. [2], 30, 416	**48**, 512
Anhydrotriethylsulphamic acid	$NEt_3.SO_2.O$	$C_6H_{15}O_3SN$	....	91·5	Beilstein and Wiegand	B., 16, 1267	**44**, 971
Diethyltaurine	$NEt_2.C_2H_4.SO_3H$	"	....	151	James	....	**47**, 372
?	$(Et.SO_2)_3N:O$	$C_6H_{15}O_7S_3N$	....	81·5	Zuckschwerdt	B., 7, 293; A., 174, 308	**27**, 674; **28**, 344
Dimethyldiethylsulphamide	$NMe_2.SO_2.NEt_2$	$C_6H_{16}O_2SN_2$	229 p.d.	Liquid	Behrend	B., 15, 1611	**42**, 1282
Ethylguanidine sulphate	$(CN_3H_4Et)_2+H_2SO_4$	$C_6H_{20}O_4SN_6$	....	169 d.	Letnii	B., 8, 767	**29**, 911
Nitrophenylthiocarbimide	$NO_2.(N:CS)$=1.3	$C_7H_4O_2SN_2$	....	58	Steudemann	B., 16, 549	**44**, 801
"	" "	"	275–280	*60·5*	"	B., 16, 2333, 2334	**46**, 307
Methenylamidothiophenol-oxide	$C_6H_4.S.C(OH):N$=1.4	C_7H_5OSN	B., 13, 10	136	Hofmann	B., 12, 1129	**36**, 806
Hydroxyphenylthiocarbimide	OH.(N:CS)=1.2	"	....	193	Bendix	B., 11, 2264	**36**, 314
" "	" "	"	....	*196*	Dünner	B., 9, 466	**30**, 204
Sulphobenzimide	$C_6H_4.CO.NH.SO_2$=1.2	$C_7H_5O_3SN$	....	220 u.c.; p.d.	Fahlberg and Remsen	B., 12, 470	**36**, 629
Thiocarbanilsulphonic anhydride	$C_6H_4.NH.CS.O.SO_2$	$C_7H_5O_3S_2N$	....	180–183 d.	Magatti	B., 11, 2267	**38**, 312
Benzonitrilsulphonamide....	$(SO_2.NH_2).CN$=1.3	$C_7H_6O_2SN_2$	A., 106, 34	151–152	Wallach & Huth	B., 9, 428	
Methylthiodinitrobenzene	$SMe.(NO_2)_2$=1.2.4	$C_7H_6O_4SN_2$	....	126	Willgerodt	B., 18, 330	**48**, 520
Sulphobenzimide sulphonamide	$SO_2.NH.CO.C_6H_3.(SO_2.NH_2)$ =1.2.4 or 5	$C_7H_6O_5S_2N_2$	....	285 d.	Fahlberg	A. C. J., 2, 185	**40**, 817
Dinitrotoluene sulphonic acid	$Me.SO_3H.(NO_2)_2$=1.4.2.6	$C_7H_6O_7SN_2$	A., 155, 21	165	Schwanert	B., 10, 29; A., 186, 353	**32**, 470
Nitrobenzylsulphhydrate	$NO_2.(CH_2.SH)$=1.4	$C_7H_7O_2SN$	....	140	Strakosch	B., 5, 698	**25**, 1027; vii., 182
Nitrophenylthiocarbamide	$NO_2.(NH.CS.NH_2)$=1.3	$C_7H_7O_2SN_3$	....	157–158·5	Steudemann	B., 16, 550	**44**, 1802
Sulphaminebenzoic acid	$CO_2H.(SO_2.NH_2)$=1.3	$C_7H_7O_4SN$	....	a. 200	Usler	A., 106, 36	v., 485
" "	" "	"	B., 15, 1757	*235*	Remsen & Palmer	A. C. J., 4, 142	
" "	" "	"	A., 108, 343	?	Engelhardt	J. p., 75, 363	
" "	" =1.2	"	....	240	Fahlberg and Remsen	B., 12, 470	**36**, 629
" "	" =1.4	"	A., 178, 299	280	Remsen	A. C. J., 4, 161	
Nitrotoluenesulphonic acid	$Me.NO_2.SO_3H$=1.4.6	$C_7H_7O_5SN$	A., 161, 8	130	Beilstein	A., 155, 23	
" "	" "	"	A., 186, 351	*133·5*; sf. 130	Jenssen	B., 7, 56; A., 172, 230	**27**, 479; **28**, 77
Dinitrotoluenesulphonamide	$Me.(NO_2)_2.(SO_2.NH_2)$ =1.(?)$_2$.4	$C_7H_7O_6SN_3$	B., 10, 31	203	Schwanert	A., 186, 359	**32**, 471, 612
Sulphaminesulphobenzoic acid	$CO_2H.SO_3H.(SO_2.NH_2)$ =1.2.4	$C_7H_7O_7S_2N$	....	165	Fahlberg	A. C. J., 2, 193	**40**, 817

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hydroxyphenylthiocarbamide	$OH.(NH.CS.NH_2)=1.2$	$C_7H_8OSN_2$	....	161 d.	Bendix	B., 11, 2263	36, 314
" "	" $=1.4$	"	....	214 d.	Kalchoff	B., 16, 375	44, 735
Sulphobenzamide	$(CO.NH_2).SO_3H=1.3$	$C_7H_8O_3SN_2$	A., 106, 32	170	Limpricht and Uslar	A., 102, 253	v., 486
Nitrotoluenesulphonamide	$Me.NO_2.(SO_2.NH_2)=1.2.4$	$C_7H_8O_4SN_2$	....	128	Paysan	A., 221, 210	46, 72
"	" "	"	....	128	Limpricht	B., 18, 2173	
"	" "	"	J. [1867], 678	128	Otto and Grüber	A., 145, 23	vi., 287
"	" $=1.2.5$	"	....	133·5	Limpricht	B., 18, 2184	48, 1234
"	" $=1.4.6$	"	....	186	Jenssen	B., 7, 56; A., 172, 233	27, 479 ; 28, 77
Benzylsulphonamide	$Ph.CH_2.SO_2.NH_2$	$C_7H_9O_2SN$	....	*102*	Otto and Luders	B., 13, 1287	38, 812
"	"	"	....	105	Limpricht	B., 6, 535	26, 1040; vii., 186
Toluenesulphonamide	$Me.(SO_2.NH_2)=1.3$	"	....	90–91	Hübner & Müller	Z. C. [2], 7, 14	24, 121
"	" "	"	....	90–91	Hübner and Post	A., 169, 51	27, 60
"	" "	"	....	90–91	Remsen & Palmer	A. C. J., 4, 142	42, 1095
"	" "	"	....	91–92	Wolkow	Z. C. [2], 6, 542	vii., 1170
"	" "	"	....	b. 100	Limpricht and Pechmann	B., 7, 719; A., 173, 202	27, 991 ; 28, 79
"	" "	"	....	*104*	Limpricht and Pagel	B., 7, 1394; A., 176, 298	28, 368, 898
"	" "	"	J. [1877], 943	104–105	Beckurts	B., 10, 945	32, 776
"	" "	"	....	106–107	Neville and Winther	....	37, 628, 631
"	" "	"	....	107	Müller and Wiesinger	B., 12, 1349	
"	" "	"	....	107–108	Claesson & Wallin	B., 12, 1853	38, 256
"	" "	"	....	108	Chrustschoff	B., 7, 1166	28, 162
"	" $=1.4$	"	....	136	Claesson & Wallin	B., 12, 1853	38, 256
"	" "	"	B., 10, 944	*137*	Heumann and Köchlin	B., 15, 1118	
"	" "	"	J. [1877], 943	137	Walkow	Z. C. [2], 6, 231	vii., 1168
"	" "	"	....	137	Müller and Wiesinger	B., 12, 1348	
"	" "	"	....	137	Chrustschoff	B., 7, 1167	28, 162
"	" "	"	....	139–140	Otto and Grüber	A., 142, 92	vi., 1060
"	" $=1.2$	"	cryst. fr. H_2O	148	Jenssen	A., 172, 236	28, 77
"	" "	"	fr. alcohol	155	"	"	"
" ...	" "	"	fr. ether	155	"	"	"
"	" "	"	....	148	Limpricht	B., 6, 1010	27, 74
"	" "	"	....	148	Gerver	A., 169, 373	27, 168
"	" "	"	....	152–153	Hübner & Terry	Z. C. [2], 7, 232	25, 1006
" ...	" "	"	....	152–153	Hübner and Post	A., 169, 29	27, 58
"	" "	"	J. [1879], 756	153–154	Wolkow	Z. C. [2], 6, 57	vii., 1169
"	" "	"	J. [1877], 934	153–154	Beckurts	B., 10, 945	32, 775
"	" "	"	....	153–154	Claesson & Wallin	B., 12, 1853	38, 256
"	" "	"	....	154	Heffter	A., 221, 208	46, 73
"	" "	"	....	154–155	Limpricht	B., 7, 450	27, 901
"	" "	"	fr. H_2O	154–155	Lorenz	A., 172, 177	28, 82
"	" "	"	fr. alcohol	161	"	"	"
Amidotoluenesulphinic acid	$Me.NH_2.SO_2H=1.4.6$	"	....	132	Heffter	A., 221, 345	46, 455
"	" $=1.2.4$	"	....	175	Paysan	A., 221, 360	46, 453
Amidotoluenethiosulphonic acid	$Me.NH_2.(SO_2.SH)=1.2.4$	$C_7H_9O_2S_2N$	....	d.w.m. 115	"	"	"
Toluidinedisulphonic acid	$Me.NH_2.(SO_3H)_2=1.2.(?)_2$	$C_7H_9O_6S_2N$	....	240	Limpricht	B., 18, 2182	
Nitrosulphobenzoic acid	$CO_2H.NO_2.SO_3H=1.3.4$	$C_7H_9O_9SN$	$+2H_2O$	130–131	Hart	A. C. J., 1, 340	40, 1144
Amidotoluenesulphonamide	$Me.NH_2.(SO_2.NH_2)=1.4.6$	$C_7H_{10}O_2SN_2$	....	164	Heffter	A., 221, 208	46, 73
"	" $=1.2.4$	"	....	175	Paysan	A., 221, 210	46, 72
Diamidotoluenethiosulphonic acid	$Me.(NH_2)_2.(SO_2.SH)=1.(?)_2.4$	$C_7H_{10}O_2S_2N_2$	....	d. 152	Perl	C. C. [1884], 468	48, 391
Diamidotoluenesulphonic acid	$Me.(NH_2)_2.SO_3H=1.(?)_2.4$	$C_7H_{10}O_3SN_2$	A., 187, 324	nf. 280	Schwanert	B., 10, 31	32, 471, 612

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Toluenedisulphonamide	$Me.(SO_2.NH_2)_2$=1.2.4	$C_7H_{10}O_4S_2N_2$	....	185	Gnehm	B., 10, 1276	**32**, 893
α- »	» »	»	....	*185–186*	Gnehm & Forrer	B., 10, 543	**32**, 612
α- »	» »	»	....	186–187	Fahlberg	B., 12, 1052; A. C. J., 2, 192	**36**,804; **40**,816
α- »	» »	»	....	186	Blomstrand and Hakanssons	B., 5, 1086	**26**, 505; **vii.**, 1171
β- »	» =?	»	....	216	»	»	»
β- »	» =?	»	....	216; sf. 210	Limpricht	B., 18, 2180	
?- »	» =?	»	....	a. 260	Kornatzkin	A., 221, 191	**46**, 70
?- »	» =1.3.5	»	....	a. 240	Limpricht	B., 18, 2177	**48**, 1233
Toluenetrisulphonamide	$Me.(SO_2.NH_2)_3$=1.2.4.6	$C_7H_{11}O_6S_3N_3$	....	a. 300 d.	Claësson	B., 14, 309	**40**, 429
Carbamidocarbonylsulphamyl	$NH_2.CO.NH.CO.S.C_5H_{11}$	$C_7H_{14}O_2SN_2$	....	176	Schöne	J. p. [2], 30, 416	**48**, 512
Nitrodithiocyanobenzene....	$(S.CN)_2.NO_2$=1.3.?	$C_8H_3O_2S_2N_3$	....	150	Gabriel	B., 10, 184	**32**, 325
Benzoylthiocyanate	Ph.CO.S.CN	C_8H_5OSN	d. 200	Liquid	Miquel	A. C. [5], 11, 300	**32**, 869
»	»	»	200–205 (i.v.)	....	»	C. R., 81, 1209	**29**, 571
»	....	$(C_8H_5OSN)_n$	....	160	»	A. C. [5], 11, 300	**32**, 870
Thiocarbimidobenzoic acid	$CO_2H.NCS$= ?	$C_8H_5O_2SN$	....	d.w.m. 310	Rathke & Schäffer	A., 169, 103	**27**, 164
Phthalic sulphimide	$SO_2.NH.CO.C_6H_3.CO_2H$ =?.2.1	$C_8H_5O_3SN$	....	not constant; d.	Stokes	A. C. J., 6, 262	**48**, 539
Isophthalic »	» =4.3.1	»	....	283·5 u.c.	Remsen & Coall	B., 12, 1436; A. C. J., 3, 204	**38**, 258; **40**, 1038
» »	» »	»	....	*289*	Jacobsen	B., 13, 1554	
Terephthalic sulphimide	» =5.4.1	»	....	?	....	A. C. J., 4, 197	
Nitrotolylthiocarbimide	$Me.NO_2.NCS$=1.2.4	$C_8H_6O_2SN_2$	....	56–57	Steudemann	B., 16, 2336	**46**, 307
Terephthalsulphinide	....	$C_8H_8O_4SN_2$	....	a. 300 d.	....	A.C.J., 2, 405.413	
Anisidinethiocarbimide	OMe.NCS=1.4	C_8H_7OSN	270	Liquid	Salkowski	B., 7, 1012	
Oxethenylamidothiophenol	$S.C_6H_4.N\colon C.CH_2.OH$	»	....	176	Hofmann	B., 13, 1234	**38**, 887
?	....	$C_8H_7O_3SN$	....	121	Wenghöffer	B., 10, 443	**32**, 447
Sulphamineisophthalic acid	$(CO_2H)_2.(SO_2.NH_2)$=1.3.?	$C_8H_7O_6SN$	....	282–284 u.c.	Iles and Remsen	B., 11, 464	**34**, 505
Benzoylthiocarbamide	$NH_2.CS.NHBz$	C_8H_8OSN	....	169–170 u.c.	Pike	B., 6, 755, 1107	**26**, 1132
»	»	»	....	171	Miquel	A. C. [5], 11, 313	**32**, 870
Salicylthiocarbamide	$OH.(CO.NH.CS.NH_2)$=1.2	$C_8H_8O_2SN_2$	....	182	»	A. C. [5], 11, 315	»
Thiouramidobenzoic acid....	$CO_2H.(NH.CS.NH_2)$=1.3	»	....	187	Traube	B., 15, 2118	**44**, 193
Methylic nitrophenylthiocarbamate	$NO_2.(NH.CS.OMe)$=1.3	$C_8H_8O_3SN_2$	....	119–120	Steudemann	B., 16, 551	**44**, 802
Ethylthiodinitrobenzene	$SEt.(NO_2)_2$=1.2.4	$C_8H_8O_4SN_2$	....	113	Willgerodt	B., 18, 330	**48**, 520
Sulphoterephthalamide	$(CO.NH_2)_2.(SO_3H)$=1.4.5	$C_8H_8O_5SN_2$	....	a. 300	Schoop	B., 14, 226	**40**, 278
Methylic phenylthiocarbamate	Ph.NH.CO.SMe	C_8H_9OSN	....	83–84	Will	B., 15, 340	
Phenthiacetamide....	$Ph.S.CH_2.CO.NH_2$	»	....	104	Claësson	B. S. [2], 23, 441	**29**, 567
Phenoxythiacetamide	$Ph.O.CH_2.CS.NH_2$	»	....	111	....	J. p. [2], 20, 279	
Anhydrophenyltaurine	$Ph.N.CH_2.CH_2.SO_2$	$C_8H_9O_2SN$	....	69	Leymann	B., 18, 871	**48**, 787
Nitrotolylthiocarbamide	$Me.NO_2.(NH.CS.NH_2)$ =1.2.4	$C_8H_9O_2SN_3$	....	176	Steudemann	B., 16, 2337	**46**, 307
Sulphotoluamide	$Me.(CO.NH_2).SO_3H$ =1.3.2 or 6	$C_8H_9O_4SN$	....	154–155	Limpricht	B., 7, 450	**27**, 901
Sulphaminetoluic acid	$Me.CO_2H.(SO_2.NH_2)$=1.3.2	»	....	202–205	Jacobsen	B., 11, 902	
» »	» =1.2.5	»	....	217 c.	»	B., 14, 39	**40**, 599
» »	» =1.4.?	»	....	242	Kelbe and Baur	B., 16, 2565	**46**, 300
» »	» =1.2.4	»	....	243	Jacobsen	B., 14, 40	**40**, 599
» »	» =1.3.6	»	....	235	Iles and Remsen	B., 10, 1044	
» »	» »	»	....	248	»	B., 11, 231, 889	**34**, 413
» »	» »	»	....	*254 c.*	Jacobsen	B., 11, 896	
» »	» »	»	....	247·5–248; 254·5–255 c.	Iles and Remsen	B., 11, 1327; A. C. J., 3, 205	**36**, 52
» »	» =1.4.?	»	B., 12, 1433	267 u. c.	»	B., 11, 230	**34**, 412
» »	» »	»	....	267	Remsen and Hall	A. C. J., 2, 50	**42**, 186
Sulphophenylglycocoll	....	$C_8H_9O_5SN$	....	183–185	Zehenter	M. C., 5, 332	**48**, 55
Methylic amidosulphobenzoate	$NH_2.SO_3H.CO_2Me$=?	»	....	188 d.	Hentschel	B., 18, 979	**48**, 792

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitroxylenesulphonic acid	$Me_2.NO_2.SO_3H$=1.3.6.4	$C_8H_9O_5SN$	....	122	Harnssen	B., 13, 1559	**40**, 49
" "	" "	"	....	*132*	Riesen	B., 18, 2191	
Anisylthiocarbamide	OMe.(NH.CS.NH_2)=1 2	$C_8H_{10}OSN_2$	....	152	Mülhäuser	B., 13, 923; A., 207, 246	**38**, 642; **42**, 302
Sulphaminetoluamide	Me.($SO_2.NH_2$).(CO.NH_2) =1.?.4	$C_8H_{10}O_3SN_2$	....	218	Meyer and Baur	B., 13, 1499	**40**, 46
"	" =1.3.4	"	....	228	Fischli	B., 12, 618	**36**, 639
Nitrophenylxanthogenamide	NO_2.(NH.SO.OEt)=1.4	$C_8H_{10}O_4SN_2$	....	175–176	Losanitsch	B., 15, 471	
Nitroxylenesulphonamide	$Me_2.NO_2.(SO_2.NH_2)$=1.3.6.4	"	....	179	Limpricht	B., 18, 2191	
Dimethylthienylmethylacetoxime	C_4HSMe_2.(CMe : NOH)	C_8H_1 OSN	....	65	Messinger	B., 18, 2302	**48**, 1205
Ethylbenzenesulphonamide	Et.($SO_2.NH_2$)=?	$C_8H_{11}O_2SN$	....	108	Chrustschoff	B., 7, 1166	**28**, 162
Xylenesulphonamide	$Me_2.(SO_2.NH_2)$=1.3.2	"	....	95–96	Jacobsen	B., 10, 1015	**32**, 600
"	" "	"	A., 184, 188	95–96	"	B., 11, 22	**34**, 411
"	" "	"	....	*95–96*	Iles and Remsen	B., 11, 464; 579, 889, 1328	**34**, 505, 584, 724; **36**, 52
"	" "	"	....	96	Jacobsen and Weinberg	B., 11, 1536	**36**, 62
"	" =1.3.4	"	B., 11, 889	110	Iles and Remsen	B., 10, 1043, 1199	**32**, 776; **34**, 56
"	" =1.3.?	"	....	123	Witting and Post	B., 10, 745	**32**, 611
"	" =1.3.?	"	....	132	"	"	"
"	" =1.3.5 or 2	"	....	132	Iles and Remsen	B., 10, 1043	**32**, 776
"	" "	"	....	132	Remsen	B., 10, 1199	**34**, 56
"	" =1.3.4	"	....	137	Limpricht	B., 18, 2188	
"	" "	"	A., 184, 188	*137*	Jacobsen	B., 10, 1015	**32**, 600
"	" "	"	....	137	"	B., 11, 20	**34**, 411
"	" "	"	....	137	Remsen and Iles	B., 11, 465, 889; A. C. J., 4, 192	**34**, 505, 724
"	" "	"	....	137	Jacobsen and Weinberg	B., 11, 1536; 12, 606	**36**, 62, 643
"	" "	"	....	138–139	Jacobsen	B., 18, 1760	**48**, 1052
"	" =1.2.4	"	....	143	Iles and Remsen	B., 10, 1044	**32**, 776
"	" "	"	....	142–144	Jacobsen	B., 14, 2626	
"	" "	"	....	144	"	B., 10, 1012; 11, 23	**32**, 601
"	" "	"	....	144	Krüger	B., 18, 1759	
"	" =1.4.?	"	....	147–148	Jacobsen	B., 11, 22	**34**, 411
"	" =1.2.3	"	....	165	Krüger	B., 18, 1760	**48**, 1053
Phenyltaurine	Ph.NH.$(CH_2)_2.SO_3H$	$C_8H_{11}O_3SN$	....	260	Andreasch	M. C., 4, 138	**44**, 665
"	"	"	....	*277–280 d.*	James	....	**47**, 370
Dimethanilinesulphonic acid	$NMe_2.SO_3H$=?	"	B., 6, 345, 663	149–150 u.c.; d.	Smyth	B., 7, 1238	**28**, 164
" "	" "	"	B., 14, 2177	230	....	J. p. [2], 16, 463; 20, 259	
Methoxytoluenesulphonamide	Me.OMe.($SO_2.NH_2$)=1.4.6	"	...	150	Heffter	A., 221, 345	**46**, 454
Phenyldimethylsulphonamide	$NMe_2.SO_2$.NHPh	$C_8H_{12}O_2SN_2$	....	84–85	Behrend	A., 222, 116	**46**, 285
Ethoxybenzenesulphonamide	OEt.($SO_2.NH_2$)=1.3	$C_8H_{12}O_5S_2N_2$	....	233	Zander	A., 198, 28	**38**, 124
Ethylleucazone sulphate ...	$(C_4H_7ON_3)_2+H_2SO_4$	$C_8H_{16}O_6SN_6$	....	161·5	Meyer & Constam	A., 214, 328	**44**, 40
Amylenethiourethane	C_4H_9.CH(NH.CS.OEt)$_2$	$C_8H_{17}O_2SN$	....	108	Bischoff	B., 7, 1083	**28**, 146
Ethylic oxalate thiocarbamide	[CS$(NH_2)_2$].$(CO_2Et)_2$	$C_8H_{18}O_4S_2N_4$	....	150 d.	Nencki	B., 7, 780	**27**, 981
Tetrethylsulphonamide	$SO_2(NEt_2)_2$	$C_8H_{20}O_2SN_2$	249–251 d.	Liquid	Behrend	B., 15, 1612	**42**, 1282
Acetophenonethiocyanate	Ph.CO.CH_2.S.CN	C_9H_7OSN	....	72–73	Dyckerhoff	B., 10, 120	**32**, 327
"	"	"	....	75	"	B., 9, 1216	
"	"	(")$_n$	....	203–204 d.	"	B., 10, 120	**32**, 327
Phenylcarbimideglycolide	PhN : C.S.CH_2.CO.O	$C_9H_7O_2SN$	B., 12, 1594	148	Liebermann and Voeltzkow	B., 13, 277; A., 207, 137	**38**, 659
" ...	"	"	....	148	Lange	B., 12, 597	**36**, 651

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenylcarbimideglycolide	$PhN.CO.S.CH_2.CO$	$C_9H_7O_2SN$	B., 15, 516	148	Meyer	B., 14, 1662	
Acetoxyphenylthiocarbimide	$OAc.(N:CS)=1.4$	„	....	36	Kalckhoff	B., 16, 1831	**44**, 1110
Methenylamidothiophenol-acetate	$C_6H_4.S.C(OAc):N=?$	„	....	60	Hofmann	B., 13, 11	**38**, 388
Acetthiocarbamidophenol	$C_6H_4.O.C(SAc):N=1.2$	„	....	120	Kalckhoff	B., 16, 1827	**44**, 1110
Quinoline sulphonic acid	$N.SO_3H=a_1;\beta_2$	$C_9H_7O_3SN$	....	nf. 260	Happ	B., 17, 192	**46**, 758
Hydroxyquinoline sulphonic acid	$N.OH=a_1;\beta_1$ or a_2	$C_9H_7O_4SN$	....	270	Riemerschmied	B., 16, 725	**44**, 1148
Anhydromethylsulphaminephthalic acid	$SO_2.NMe.CO.C_6H_3.CO_2H$ $=?.1.2$	$C_9H_7O_5SN$	....	191	Stokes	A. C. J., 6, 262	**48**, 539
Anhydrosulphamineuvitic acid	$SO_2.NH.CO.C_6H_2Me.CO_2H$ $=?.1.3.5$	„	A. C. J., 2, 130	270–272 c.	Jacobsen	A., 206, 183	**40**, 430
Phenylthiohydantoïn	$Ph.N.CO.CH_2.S.C:NH$	$C_9H_8OSN_2$	....	178	Meyer	B., 10, 1965; 14, 1661	**34**, 295; **40**, 1039
„	„	„	A., 207, 129	178	Andreasch	B., 15, 325; M. C., 2, 776	**42**, 407
Acetylphenylthiocarbizine	$NPh.CS.NAc$	„	....	186–187	Fischer and Besthorn	A., 212, 329	**42**, 1095
Fr. phenylthiocarbimide	....	„	....	d.w.m. a 200	Aschan	B., 16, 1545	**44**, 1107
Phthalthiocarbamic acid	$CO_2H.(CO.NH.CS.NH_2)=1.2$	$C_9H_8O_3SN_2$	A., 214, 25	171–172	Piutti	G. I., 12, 169	**42**, 1297
Ethylene phenylthiocarbamate	$NPh.CH_2.CH_2.COS$	C_9H_9OSN	....	79	Will	B., 15, 344	**42**, 723
Methenylamidothiophenol-ethoxide	$C_6H_4.S.C(OEt):N$	„	....	25	Hofmann	B., 13, 11	**38**, 388
Methylic benzoylthiocarbamate	$NHBz.CS.OMe$	$C_9H_9O_2SN$	....	97	Miquel	A. C. [5], 11, 330	**32**, 871
Mesitylenic sulphonimide	$C_6H_2Me_2.CO.NH.SO_2$ $=1.3.5.6$	$C_9H_9O_3SN$	....	255; 262 c.	Hall and Remsen	A. C. J., 2, 131; 3, 216	**40**, 821
Sulphaminecinnamic acid	$(SO_2.NH_2).(C_2H_2.CO_2H)=1.4$	$C_9H_9O_4SN$	....	d.w.m. 250	Palmer	A. C. J., 4, 161	**42**, 1204
Sulphamineuvitic acid	$Me.(CO_2H)_2.(SO_2.NH_2)_2$ $=1.3.5.6$	$C_9H_9O_6SN$	....	279	Hall and Remsen	A. C. J., 2, 136	**40**, 821
Sulphaminexylidic acid	„ $=1.2.5.4$	„	....	295–300	Jackson & Meyer	B., 16, 190	**44**, 590
Acetylphenylthiocarbamide	$NHPh.CS.NHAc$	$C_9H_{10}OSN_2$	....	*169–170*	Miquel	A. C. [5], 11, 318	**32**, 870
„ „	„	„	....	173	Schiff	B., 9, 570	**30**, 285
Phenylthiohydantoic acid	$NHPh.C(:NH).S.CH_2.CO_2H$	$C_9H_{10}O_2SN_2$	B., 14, 732	148–152	Jäger	J. p. [2], 16, 20	**32**, 873
Ethylic nitrophenylthiocarbamate	$NO_2.(NH.CS.OEt)=1.3$	$C_9H_{10}O_3SN_2$	....	115	Losanitsch	B., 16, 49	**44**, 583
„ „	„ „	„	....	115	Steudemann	B., 16, 550	**44**, 802
„ „	$NO_2.(NH.CO.SEt)=1.4$	„	....	175–176	Losanitsch	B., 15, 471	**42**, 955
Sulphaminecinnamide	$(SO_2.NH_2).(C_2H_2.CO.NH_2)$ $=1.4$	„	....	218	Palmer	A. C. J., 4, 161	**42**, 1204
Isopropylthiodinitrobenzene	$SPr^{\beta}.(NO_2)_2=1.2.4$	$C_9H_{10}O_4SN_2$	....	93–94	Willgerodt	B., 18, 330	**48**, 520
Ethylic phenylthiocarbamate	$NHPh.CS.OEt$	$C_9H_{11}OSN$	....	65	Hofmann	B., 2, 120; 3, 772	
„ „	„	„	....	65	Schiff	B., 9, 1316	
„ „	„	„	....	68–69	Bamberger	B., 15, 2164	
„ „	„	„	B., 13, 684	*71–72*	Liebermann	A., 207, 145	**42**, 298
„ „	„	„	B., 13, 1575	73	Will	B., 15, 340	
Benzylthiacetamide ...	$Ph.CH_2.S.CH_2.CO.NH_2$	„	....	97	Gabriel	B., 12, 1641	**38**, 34
Methylic tolylthiocarbamate	$Me.(NH.CO.SMe)=1.2$	„	....	70	Will	B., 15, 1317	**42**, 1090
„ „	„ $=1.4$	„	....	107	„	B., 15, 1311	„
Acetamidothiocresol	$Me.SH.NHAc=1.2.4$	„	....	195	Hesse	B., 14, 489	**40**, 596
„ ...	„ $=1.4.6$	„	....	240	„	B., 14, 490	**40**, 597
Propenylbenzenesulphonamide	$C_3H_5.(SO_2.NH_2)=?$	$C_9H_{11}O_2SN$	....	152	Meyer and Baur	B., 12, 2240	**38**, 166
Tolylsulphonacetamide	$Me.(SO_2.CH_2.CO.NH_2)=1.4$	$C_9H_{11}O_3SN$	....	163–164	Otto	B., 18, 161	**48**, 537

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic sulphaminebenzoate	$(SO_2.NH_2).CO_2Et$=1.3	$C_9H_{11}O_4SN$	....	?	....	A., 106, 41, 387	
" "	" =1.4	"	....	110–111; a.f. 94	Remsen	A., 178, 300	**29**, 258
Sulphethylbenzamic acid	....	"	....	261–262	....	A. C. J., 4, 197	
Sulphaminemesitylenic acid	$Me_2.CO_2H.(SO_2.NH_2)$ =1.3.5.6	"	....	247	Hall & Remsen	B., 10, 1040; A. C. J., 2, 131	**32**, 777
" "	" "	"	....	259; *263 c.*	Jacobsen	A., 206, 167; B., 12, 604	**36**, 643; **40**, 429
" "	" =1.3.5.2	"	A. C. J., 2, 131	276 c.; d.	"	A., 206, 174; B., 12, 605	**36**, 643; **40**, 430
Sulphaminexylic acid	" =1.3.4.6	"	....	268 c.	Jacobsen and Meyer	B., 16, 190	**44**, 589
Nitromesitylenesulphonic acid	$Me_3.NO_2.SO_3H$=1.3.5.2.4	$C_9H_{11}O_5SN$	$+1\frac{1}{2}H_2O$	131	Rose	Z. C. [2], 7, 74; A, 164, 65	**24**, 376; vii., 789
Ethoxyphenylthiocarbamide	$EtO.(NH.CS.NH_2)$=1.2	$C_9H_{12}OSN_2$	....	110	Berlinerblau	J. p., 30, 97	**48**, 148
Sulphaminemesitylenamide	$Me_2.(CO.NH_2).(SO_2.NH_2)$ =1.3.5.?	$C_9H_{12}O_3SN_2$	....	287–288	....	A. C. J., 3, 218	
Ethylic disulphaminebenzoate	$(SO_2.NH_2)_2.CO_2Et$=?	$C_9H_{12}O_6S_2N_2$	....	198–200	Fahlberg	A. C. J., 2, 185	**40**, 817
Isopropylbenzenesulphonamide	$Pr^{\beta}.(SO_2.NH_2)$=?	$C_9H_{13}O_2SN$	J., 1879, 760	95·5–96	Spica	G. I., 9, 433	**38**, 167
" "	" =?	"	....	107	"	"	"
" "	" "	"	....	*107–108*	Meyer and Baur	B., 12, 2240	
" "	" "	"	....	112	Claus and Tonn	B., 18, 1241	
" "	" =?	"	....	127 u.c.	"	"	**48**, 904
Propylbenzenesulphonamide	$Pr^{\alpha}.(SO_2.NH_2)$=?	"	....	110	Meyer and Baur	B., 12, 2239	
Mesitylenesulphonamide	$Me_3.(SO_2.NH_2)$=1.3.5.6	"	....	140+	Jacobsen	B., 15, 1857	
"	" "	"	A., 184, 185	*141–142*	"	B., 9, 257	**30**, 77
"	" "	"	....	141–142	Holtmeyer	Z. C. [1867], 686	vi., 301
Pseudocumenesulphonamide	" =1.3.4.?	"	A., 184, 185	*175–176*	Jacobsen	B., 9, 257	**30**, 77
" "	" "	"	....	175	"	B., 14, 2629	
Hemimellithenesulphonamide	" =1.2.3.?	"	....	196	"	B., 15, 1858	**44**, 53
Ethoxytoluenesulphonamide	$Me.OEt.(SO_2.NH_2)$=1.4.6	$C_9H_{13}O_3SN$	....	136	Heffter	A., 221, 345	**46**, 454
" "	" =1.2.4	"	....	137	Hayduck and Limpricht	A., 172, 216; B., 7, 554	**27**, 905, 1096; vii., 934
Phenyltaurocyamine	$Ph.(CN.NH_2)HN.C_2H_4.SO_3H$	$C_9H_{13}O_3SN_3$	....	nf. 300	James	....	**47**, 374
Tolyldimethylsulphamide	$Me.(NH.SO_2.NMe_2)$=1.4	$C_9H_{14}O_2SN_2$	....	90·5	Behrend	B., 15, 1612	**42**, 1282
Ammonium mesitylenesulphonate	$Me_3.SO_3NH_4$=1.3.5.6	$C_9H_{15}O_3SN$	....	250 d.	Jacobsen	A., 145, 85	vii., 788
Oxethene toluidine acid sulphate	$[C_6H_4Me.NH.CH_2.CH_2.OH]$ $+H_2SO_4$	$C_9H_{15}O_5SN$	....	110–111 d.	Demole	B., 7, 637	**27**, 903
Benzylidene rhodanic acid	Ph.CH ⁚ C(SH).CO.S.CN	$C_{10}H_7OS_2N$	....	200 u.c.	Nencki and Bourquin	B., 17 2278	**48**, 40
Nitrostyrolenethiocyanate	....	$C_{10}H_7O_2S_2N_3$	J. [1880], 405	111–112	....	A., 216, 325	
β-Diazonaphthalene sulphate	$(C_{10}H_7.N_2.C_{10}H_7)H_2SO_4$	$C_{10}H_8O_4SN_2$	....	84–85	Scheiding	B., 8, 1652	**29**, 713
Nitronaphthalenesulphonamide	$NO_2.(SO_2.NH_2)$= ?	"	....	180	....	B. S., 26, 446	
" "	" = ?	"	....	216	Cleve	B. S., 29, 415; B., 12, 1714	**34**, 677; **38**, 47
"	" $=a_1a_2$;	"	....	225	....	B. S., 24, 510	
Tolylthiocarbimideglycollide	$C_6H_4Me.N$ ⁚ $\underline{C.S.CH_2.CO.O}$ =1.2	$C_{10}H_9O_2SN$	....	120	Völtzkow	B., 13, 1580	**40**, 43
" "	" =1.4	"	....	162	"	B., 13, 1579	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
α-Naphthalenesulphonamide	$C_{10}H_7(SO_2.NH_2)$	$C_{10}H_9O_2SN$	A., 114, 135	150	....	Z. C. [1869], 711	
β- " "	"	"	....	212; 213	Cleve	B. S., 25, 258	**30**, 82
β- " "	"	"	....	*217 c.*	....	Z. C. [1869], 711	
Thiophenesulphanilide	$C_4SH_3.(SO_2.NHPh)$	$C_{10}H_9O_2S_2N$	....	96	Weitz	B., 17, 799	**48**, 1130
Methylic methylanhydrosulphaminephthalate	$SO_2.NMe.CO.C_6H_3.CO_2Me$ =?.2.1	$C_{10}H_9O_5SN$	....	180	Stokes	A. C. J., 6, 262	**48**, 539
Nitronaphthalenedisulphonamide	$C_{10}H_5.NO_2.(SO_2.NH_2)_2$	$C_{10}H_9O_6S_2N_3$	B., 16, 570	285 d.	Alen	B. S., 39, 63	**44**, 596
Tolylthiohydantoïn	$C_6H_4Me.N.CS.NH.CH_2.CO$ =1.4	$C_{10}H_{10}OSN_2$	....	180 d.	Aschan	B., 17, 426	
"	" "	"	....	*183*	Meyer	B., 10, 1966	**34**, 296
"	" "	"	....	184 u.c.	Aschan	B., 16, 1544	**44**, 1107
α-Naphthalenedisulphonamide	$C_{10}H_6(SO_2.NH_2)_2$	$C_{10}H_{10}O_4S_2N_2$	....	242–243	Ebert and Merz	B., 9, 599	**30**, 409
β- " "	"	"	....	nf. 305	"	"	"
Ethylene p-tolylthiocarbamate	$C_6H_4Me.N.CO.S.C_2H_4$	$C_{10}H_{11}OSN$	....	88	Will and Bielschowski	B., 15, 1316	**42**, 1091
Ethylic benzoylthiocarbamate	NHBz.CS.OEt	$C_{10}H_{11}O_2SN$	J. p., 10, 238	73–74	Miquel	A. C. [5], 11, 334	**32**, 871
Sulphophenylsuccinamic acid	....	$C_{10}H_{11}O_5SN$	J. [1856], 506	160	Gerhardt and Chiozza	A. C. [3], 47, 129	v., 524
Benzoylethylthiocarbamide	NHBz.CS.NHEt	$C_{10}H_{12}OSN_2$	....	134	Miquel	A. C. [5], 11, 316	**32**, 870
Tolylacetylthiocarbamide....	Me.(NH.CS.NHAc)=1.4	"	....	175–176	....	B. S., 28, 103	
Tolylthiohydantoic acid	$C_6H_4Me.NH.C(:NH).S.CH_2.CO_2H$=1.4	$C_{10}H_{12}O_2SN_2$	....	176–182 d.	Jäger	J. p. [2], 16, 22	**32**, 873
Ethylthiocarbamidobenzoic acid	$CO_2H.(NH.CS.NHEt)$=1.3	"	....	194–195 u.c.; d.	Aschan	B., 17, 430	**46**, 907
Ethylic nitrotolylthiocarbamate	$Me.NO_2.(NH.CS.OEt)$=1.2.4	$C_{10}H_{12}O_3SN_2$	....	95·5	Steudemann	B., 16, 2337	**46**, 307
Isobutylthiodinitrobenzene	$SBu^{\beta}.(NO_2)_2$=1.2.4	$C_{10}H_{12}O_4SN_2$	....	71–72	Willgerodt	B., 18, 331	**48**, 520
Phenylmethylthiourethane	NPh : C(OEt).SMe	$C_{10}H_{13}OSN$	260–265 p.d.	Liquid	Liebermann	B., 13, 686; A., 207, 148	**40**, 44; **42**, 298
Ethylic tolylthiocarbamate	Me.(NH.CO.SEt)=1.2	"	....	Liquid	"	B., 13, 1576; A., 207, 161	**40**, 45; **42**, 299
" "	" "	"	....	66	Will	B., 15, 1317	**42**, 1091
" "	" =1.3	"	....	67–68	Liebermann	A., 207, 162	**42**, 299
"	" =1.4	"	....	79	Will	B., 15, 1313	**42**, 1091
" "	" "	"	....	*87*	Liebermann and Natanson	B., 13, 1576; A., 207, 160	**40**, 45; **42**, 299
Sulphaminepropylbenzoic acid	$Pr^{\alpha}.(SO_2.NH_2).CO_2H$=1.2.4	$C_{10}H_{13}O_4SN$	....	212–213 c.	Remsen & Keiser	A. C. J., 5, 161	**46**, 457
Sulphamineisopropylbenzoic acid	$Pr^{\beta}.(SO_2.NH_2).CO_2H$=1.2.4	"	....	244 c.	Remsen and Day	A. C. J., 5, 149	**46**, 456
Diethylbenzenesulphonamide	$Et_2.(SO_2.NH_2)$=1.4.5	$C_{10}H_{15}O_2SN$	....	97·5	....	A. C. J., 4, 197	
Methylpropylbenzenesulphonamide	$Me.Pr^{\alpha}.(SO_2.NH_2)$=1.2.?	"	....	crystalline	Claus & Hansen	B., 13, 898	
" "	" =1.4.5	"	....	73	Kelbe	B., 13, 1158	**38**, 878
" "	" "	"	....	73·5–74	Spica	B., 14, 654	**40**, 602
" "	" =1.4.6	"	....	110	Berger	B., 10, 976	**32**, 601
" "	" =?	"	....	112	Paterno	G. I., 11, 124	**40**, 594
" "	" "	"	....	114–115	"	G. I., 9, 397	**38**, 107
" "	" =1.4.6(?)	"	....	151 c.	Remsen and Day	A. C. J., 5, 149	**46**, 456
Methylisopropylbenzenesulphonamide	$Me.Pr^{\beta}.(SO_2.NH_2)$=1.3.?	"	....	73	Kelbe	B., 13, 1400; A., 210, 34	**40**, 878; **42**, 299
" "	" "	"	B., 16, 792	75–75·5	Spica	G. I., 12, 543	**44**, 460
" "	" =1.4.5	"	....	80–90	Jacobsen	B., 12, 433	**36**, 625
" "	" =1.4.6	"	....	97–98	"	B., 12, 432	**36**, 624
" "	" "	"	....	97–98	Paterno & Spica	G. I., 9, 397	**38**, 107

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Methylisopropylbenzene-sulphonamide	$Me.Pr^{\beta}.(SO_2.NH_2)=1.3.?$	$C_{10}H_{15}O_2SN$	A., 210, 37	108	Kelbe	B., 13, 1400	**42**, 301
Methylisopropylsulphon-amide	„ $=1.3.?$	„	....	162	Kelbe and Czarnomski	B., 17, 1747	**46**, 1355
Isodurenesulphonamide	$Me_4.(SO_2.NH_2)=1.2.3.5.6$	„	....	118	Jacobsen	B., 15, 1854	**44**, 52
Ethylic dimethaniline-sulphonate	$NMe_2.SO_3Et=?$	$C_{10}H_{16}O_3SN$	....	85	....	J. p. [2], 20, 263	
Phenylthienylacetoxime	$C_4SH_3.C(NOH).Ph$	$C_{11}H_9OSN$	....	91–92	Comey	B., 17, 791	**46**, 1168
Thiophenic anilide	$C_4SH_3.CO.NHPh$	„	....	140	Leuckart and Schmidt	B., 18, 2341	**42**, 1224
Cuminylthiocarbimide	....	$C_{11}H_{11}OSN$	begins 245; d. 270	Liquid	Raab	B., 10, 53	**32**, 894
Dimethyiquinolinesulph-onic acid	$N.Me_2=\alpha_1;\ \alpha_1\beta_2$	$C_{11}H_{11}O_3SN$	....	165–166	Berend	B., 17, 2717	**48**, 275
„ „	„ $=\alpha_1;\ \beta_2\beta_1$ or α_2	„	....	265–266	„	B., 17, 1489	**46**, 1197
Tolyl-α-methylthiohydan-toïn	$C_6H_4Me.N.CS.NH.$ $CHMe.CO=1.4$	$C_{11}H_{12}OSN_2$	....	197 u.c.	Aschan	B., 17, 427	
Allylthiocarbamidobenzoic acid	$C_3H_5.NH.CS.NH.C_6H_4.$ $CO_2H=1.3$	$C_{11}H_{12}O_2SN_2$	....	189 u.c.; d.	„	B., 17, 431	**46**, 907
Tolylacetylthiobiuret	....	$C_{11}H_{13}OS_2N_3$	....	166	Tursini	B., 17, 586	**46**, 1141
Phenylmercapturic acid	....	$C_{11}H_{13}O_3SN$	B., 15, 1731	142–143	....	Z. P. C., 5, 335	
Dimethylquinolinesulphate	$N.Me_2=\alpha_1\beta_1\alpha_2;$	$C_{11}H_{13}O_4SN$	....	225–228 p.d.	Engler & Riehm	B., 18, 2247	**48**, 1246
Trimethylanhydrosulph-aminephthalate	$SO_2.NH.C(OMe)_2.C_6H_3.$ $CO_2Me=?.2.1$	$C_{11}H_{13}O_6SN$	....	144	Stokes	A. C. J., 6, 262	**48**, 539
Phenyldiethylthiourethane	$PhN:C(OEt).SEt$	$C_{11}H_{15}OSN$	275; 278–280 c.; d.	29·5–30·5	Liebermann	B., 13, 686; A., 207, 149	**40**, 44; **42**, 298
Isobutylic phenylthiocarb-amate	$NHPh.CS.OBu^{\beta}$	„	....	75	Mylius	B., 5, 977	**26**, 267
Methylic tolylthiourethane	$C_6H_4Me.N:C(OEt).SMe$ $=1.2$	„	a. 250 d.	Liquid	Liebermann	B., 13, 1577; A., 207, 163	**40**, 45; **42**, 299
„ „	„ $=1.3$	„	....	Liquid	„	„	„
„ „	„ $=1.4$	„	a. 250 d.	Liquid	„	„	„
Sulphonamide of $C_{11}H_{16}$	....	$C_{11}H_{17}O_2SN$	....	64	Kelbe	B., 14, 1241	**40**, 809
Isobutyltoluenesulphon-amide	$Me.Bu^{\beta}.(SO_2.NH_2)=1.3.?$	„	....	74–75	Kelbe and Baur	B., 16, 2562	**46**, 300
Butyltoluenesulphonamide	$Me.Bu^{\alpha}.(SO_2.NH_2)=1.4.?$	„	....	113	„	B., 16, 2565	„
α-Laurenesulphonamide	$C_{11}H_{15}.(SO_2.NH_2)$	„	....	127	Reuter	B., 16, 627	
β- „	„	„	...	?	„	B., 16, 628	
Dinitrophenyl sulphide	$S[C_6H_3(NO_2)_2]_2=(1.2.4)_2$	$C_{12}H_6O_8SN_4$	....	193	Beilstein and Kurbatow	B., 10, 1993; 11, 2056; A., 197, 77	**34**, 139; **36**, 230, 714
Dinitrophenylsulphone	$SO_2[C_6H_3(NO_2)_2]_2=(1.2.4)_2$	$C_{12}H_6O_{10}SN_4$	....	240–241	„	„	„
Dinitrohydroxyphenyl-sulphone	$SO_2[C_6H_2.OH.(NO_2)_2]_2=?$	$C_{12}H_6O_{12}SN_4$	....	253 u.c.	Annaheim	B., 11, 1668	**36**, 244
Trinitrophenylic benzene-sulphonate	$Ph.SO_2.O.C_6H_2(NO_2)_3$	$C_{12}H_7O_9SN_3$	....	115–116	Schiaparelli	G. I., 11, 65	**40**, 603
Nitrophenyldisulphide	$S_2(C_6H_4.NO_2)_2=(1.4)_2$	$C_{12}H_8O_4S_2N_2$	....	181	Willgerodt	B., 18, 333	**48**, 519
Nitrophenylsulphone	$SO_2(C_6H_4.NO_2)_2$	$C_{12}H_8O_6SN_2$	....	164	Gericke	A., 100, 211	vi., 277
„	„	„	....	168	Schmid	B., 9, 80	
Trinitrobenzenesulphan-ilide	fr. $C_6H_4(NO_2).SO_2.NH.$ $C_6H_3.NO_2$	$C_{12}H_8O_8SN_4$	....	210	Michler and Blattner	B., 12, 1167	**38**, 922
Nitrosulphobenzide	$Ph.SO_2.C_6H_4.NO_2$	$C_{12}H_9O_4SN$	...	90–92	Gericke	A., 100, 209	vi., 277
Nitrophenylic benzene-sulphonate	$Ph.SO_3.C_6H_4.NO_2=1.4$	$C_{12}H_9O_5SN$	....	82	Schiaparelli	G. I., 11, 65	**40**, 603
Diazophenylic benzene-sulphinate	$Ph.SO_2.N_2.Ph$	$C_{12}H_{10}O_2SN_2$	....	75–76 d.	Königs	B., 10, 1532	**34**, 220
Oxallylallylphenylthio-carbamide	$NPh.CS.N(C_3H_5)_2.CO_2$	„	....	161	Maley	Z. C. [2], 5, 261	vi., 1089
Azobenzenesulphonic acid	$Ph.N_2.C_6H_4.SO_3H=1.2$	$C_{12}H_{10}O_3SN_2$	....	127	Richter	R. K. T., 309	
Azoxybenzenesulphonic acid	$Ph.N_2O.C_6H_4.SO_3H=1.3$	$C_{12}H_{10}O_4SN_2$	....	60–70	Limpricht	B., 18, 1420	**48**, 984

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Azoxybenzenesulphonic acid	$Ph.N_2O.C_6H_4.SO_3H=1.4$	$C_{12}H_{10}O_4SN_2$	....	b. 100	Limpricht	B., 18, 1420	**48**, 984
Benzenesulphonitranilide	$NO_2.(NH.O_2S.Ph)=1.2$	"	....	104	Lellmann	B., 16, 594	**44**, 801
"	" $=1.3$	"	....	131–132	"	B., 16, 595	"
"	" $=1.4$	"	....	139	"		"
Nitrodiphenylsulphonamide	$C_6H_4(NO_2).C_6H_4.SO_3H=(1.4)_2$	"	....	228	Gabriel and Dambergis	B., 13, 1410	**38**, 890
Azobenzenedithiodisulphonic acid	$N_2(C_6H_4.SO_2.SH)_2=(1.3)_2$	$C_{12}H_{10}O_4S_4N_2$	....	91	Baur	A., 229, 353	**48**, 1140
" "	" "	"	$+1\frac{1}{2}H_2O$(?)	*91–93*	Limpricht	B., 18, 1471	**48**, 985
" "	" $=(1.4)_2$	"	....	b. 100	Baur	A., 229, 353	**48**, 1140
Azobenzenethiodisulphonic acid	$SO_3H.C_6H_4.N_2.C_6H_4.SO_2.SH=(1.3)_2$	$C_{12}H_{10}O_5S_3N_2$	....	b. 100	"	"	"
" "	" "	"	$+xH_2O$	b. 100	Limpricht	B., 18, 1472	**48**, 985
Azoxybenzenedisulphonic acid	$ON_2(C_6H_4.SO_3H)_2=(1.3)_2$	$C_{12}H_{10}O_7S_2N_2$	....	125	Brunnemann	A., 202, 340	**38**, 807
Benzenesulphanilide	$Ph.SO_2.NHPh$	$C_{12}H_{11}O_2SN$	....	*102*	Wallach	A., 214, 221	**44**, 48
"	"	"	....	105	....	A., 91, 107	
"	"	"	....	110	....	A., 100, 217	
Diphenylsulphonamide	$Ph.C_6H_4.SO_2.NH_2$	"	....	227–230	Gabriel & Deutsch	B., 13, 386	**38**, 476
Azophenolbenzenesulphonamide	$HO.C_6H_4.N_2.C_6H_4.SO_2.NH_2=1.4;\ 1.?$	$C_{12}H_{11}O_3SN_3$	A., 215, 231	212	Limpricht	B., 15, 1296	**42**, 1075
Ethylic α-nitronaphthalene-sulphonate	$NO_2.(SO_3Et)=a_1a_2;$	$C_{12}H_{11}O_5SN$	....	101	Cleve	B. S. [2], 24, 510; B., 10, 1723	**34**, 153
" δ- "	" $=?$	"	....	103	"	B. S. [2], 29, 415	**34**, 677
" δ- "	" "	"	....	108	"	B., 12, 1714	**38**, 47
" β- "	" $=?$	"	B., 10, 1723	114	"	B. S. [2], 26, 446	**34**, 154
Dibenzsulphhydroxamic acid	$(Ph.SO_2)_2N.OH$	$C_{12}H_{11}O_5S_2N$	....	109 d.	Königs	B., 11, 617	
Phenylhydrazine benzene-sulphinate	$Ph.SO_2.NH:NHPh$	$C_{12}H_{12}O_2SN_2$	B., 8, 1007	130–131	Escales	B., 18, 895	**48**, 798
" "	"	"	....	*146*	Fischer	A., 190, 132	**34**, 309
" "	"	"	....	145	Königs	B., 10, 1532	
Phenylsulphamidoanilide	$Ph.SO_2.NH.C_6H_4.NH_2=1.2$	"	B., 14, 2184	168	Lellmann	A., 221, 1; B., 16, 596	**44**, 801; **46**, 50
"	" "	"	....	168	Schmid	B., 9, 80	
Amidophenolsulphoanilide	$OH.NH_2.(SO_2.NHPh)=1.4.6$	$C_{12}H_{12}O_3SN_2$	A., 205, 62	98	Post and Holst	B., 13, 619	**38**, 642
"	" $=1.2.4$	"	"	205	"	B., 13, 618	
Diphenyldisulphonamide....	$(.C_6H_4.SO_2NH_2)_2=(1.4)_2$	$C_{12}H_{12}O_4S_2N_2$	....	a. 300	Gabriel & Deutsch	B., 13, 390	**38**, 477
Azobenzenedisulphonamide	$N_2(C_6H_4.SO_2NH_2)_2=(1.4)_2$	$C_{12}H_{12}O_4S_2N_4$	....	176	Mahrenholz and Gilbert	A., 202, 337	**38**, 805
"	" =meta?	"	....	254	"	"	"
"	" $=1.3;\ 1.4$	"	....	250	....	A., 215, 216	
"	" "	"	....	*258*	Limpricht	B., 14, 1356	**42**, 517
"	" $=(1.3)_2$	"	....	a. 260	"	B., 11, 1046	**34**, 722
"	" "	"	....	*295*	Mahrenholz	A., 202, 336	**38**, 805
"	" $=(1.4)_2$	"	....	*d.w.m. 250*	Laar	B., 14, 1930	**42**, 195
"	" $=?$	"	....	nf. 300	Limpricht	B., 14, 1357	**42**, 517
Azoxybenzenedisulphonamide	$ON_2(C_6H_4.SO_2NH_2)_2=(1.3)_2$	$C_{12}H_{12}O_6S_2N_4$	....	273	Brunnemann	A., 202, 343	**38**, 807
α-Naphthylthiourethane	$C_{10}H_7.N:C(SH).OEt$	$C_{12}H_{13}OSN$	....	96–97	Cosiner	B., 14, 62	
β-Naphthalenesulphon-ethylamide	$C_{10}H_7.SO_2.NHEt$	$C_{12}H_{13}O_2SN$	....	82·5	Carleson	B. S. [2], 27, 360	**32**, 490
α- " "	"	"	....	viscous	"	"	"
Phenylammonium phenol-sulphonate	$OH.(SO_3.NH_3Ph)=1.4$	$C_{12}H_{13}O_4SN$	d. 180–190	170	Kopp	B., 4, 978	**25**, 623; vii., 918
?	$NH_2.O_2S.C_6H_4.N_2.NH.C_6H_4.SO_2.NH_2$	$C_{12}H_{13}O_4S_2N_5$	....	183 d.	Hybbeneth	A., 221, 204	**46**, 72
Hydroxyazobenzenetri-sulphonamide	$NH_2.O_2S.C_6H_4.N_2.C_6H_3(OH).(SO_2.NH_2)_2=1.4;\ 1.4.(?)_2$	$C_{12}H_{13}O_7S_3N_5$	A., 215, 235	a. 260	Limpricht	B., 15, 1297	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
β-Azobenzenetetrasulphonamide	$N_2[C_6H_3(SO_2.NH_2)_2]_2=(?.1.3)_2$	$C_{12}H_{14}O_8S_4N_6$	....	222	Reiche	A., 203, 71	**38**, 806
?- " "	" =?	"	....	229–230	Perl	C. C. [1884], 468	**48**, 391
4th. Amidophenol sulphate	$(C_6H_4.OH.NH_2)_2+H_2SO_4$	$C_{12}H_{16}O_6SN_2$	....	220 d.	Fittica	J. p. [2], 24, 1	**42**, 51
Amylic phenylthiocarbamate	$NHPh.CO.S(C_5H_{11})$	$C_{12}H_{17}OSN$	....	67	Schöne	J. p. [2], 30, 416	**48**, 512
Diethylic tolylthiocarbamate	Me.[N⁚C(OEt)SEt]=1.2	"	a. 250 d.	Liquid	Liebermann and Natanson	B., 13, 1577 ; A., 207, 163	**40**, 45 ; **42**, 299
" "	" =1.3	"	a. 250 d.	Liquid	"	"	"
" "	" =1.4	"	a. 250 d.	Liquid	"	"	"
Ethylic mesitylthiourethane	Me_3.[N⁚C(SH).OEt]=1.3.5.6	"	....	88	Eisenberg	B., 15, 1015	**42**, 956
Dipropylbenzenesulphonamide	$Pr_2.(SO_2.NH_2)$=1.4.5	$C_{12}H_{19}O_2SN$	....	103	Remsen and Keiser	A. C. J., 5, 161	**46**, 457
Nitrobenzenylamidothiophenol	fr. $S.C_6H_4.N⁚CPh$	$C_{13}H_8O_2SN_2$	....	188	Hofmann	B., 13, 1223	**38**, 885
Dinitrophenylic thiobenzoate	$SBz.(NO_2)_2$=1.2.4	$C_{13}H_8O_5SN_2$	....	113	Willgerodt	B., 18, 329	**48**, 519
o-Hydroxybenzenylamidothiophenol	$S.C_6H_4.N⁚C.C_6H_4.OH$	$C_{13}H_9OSN$	....	129	Hofmann	B., 13, 1237	**38**, 887
?	....	$C_{13}H_9O_2SN$	....	84	Gabriel and Deutsch	B., 13, 389	
Nitromethenylamidothiophenolanilide	fr. $S.C_6H_4.N⁚C.NHPh$	$C_{13}H_9O_2SN_3$	....	247	Hofmann	B., 13, 12	**38**, 388
Dinitrophenylbenzylthioether	$(S.CH_2Ph).(NO_2)_2$=1.2.4	$C_{13}H_{10}O_4SN_2$	....	128	Willgerodt	B., 18, 331	**48**, 520
Dinitrodiphenylthiocarbamide	$CS(NH.C_6H_4.NO_2)_2=(1.3)_2$	$C_{13}H_{10}O_4SN_4$	B., 15, 470	*160–161*	Brückner	B., 6, 1103	**27**, 77
" "	" "	"	....	160	Steudemann	B., 16, 550	**44**, 801
" "	" "	"	....	160–161	"	B., 16, 2333	**46**, 306
Phenylic phenylthiocarbamate	NHPh.CO.SPh	$C_{13}H_{11}OSN$	....	125	Snape	....	**47**, 778
Methyldiphenylamine sulphone	$C_6H_4.SO_2.C_6H_4.NMe$	$C_{13}H_{11}O_2SN$	....	222	Bernthsen	B., 16, 2901	**46**, 596
Nitrodiphenylthiocarbamide	NO_2.(NH.CS.NHPh)=1.3	$C_{13}H_{11}O_2SN_3$	....	145	Brückner	B., 7, 1235	**28**, 166
" "	" "	"	....	155	Losanitsch	B., 14, 2365	**42**, 183
Benzenesulphonbenzamide	$Ph.SO_2.NHBz$	$C_{13}H_{11}O_3SN$	J. [1856], 503	135–140	Gerhardt and Chiozza	A. C. [3], 46, 145	i., 540
" "	"	"	A., 214, 211	147	Wallach and Gossmann	B., 11, 754	
Nitrohydroxydiphenylthiocarbamide	$NO_2.C_6H_4.NH.CS.NH.C_6H_4.OH$=1.3 ; 1.4	$C_{13}H_{11}O_3SN_3$	....	152	Steudemann	B., 16, 2335	**46**, 307
Benzenesulphondinitrotoluide	$Ph.SO_2.NH.C_6H_3Me(NO_2)_2$=1.4.5.?	$C_{13}H_{11}O_6SN_3$	....	178	Lellmann	B., 16, 596	**44**, 801
Hydroxydiphenylthiocarbamide	$NHPh.CS.NH.C_6H_4.OH$=1.2	$C_{13}H_{12}OSN_2$	....	146	Kalchoff	B., 16, 1829	**44**, 1110
" "	" =1.4	"	....	162	"	B., 16, 376	**44**, 735
Acetyl-α-naphthylthiocarbamide	....	"	....	198	....	B. S. [2], 28, 103	
Benzenesulphonbenzamidine	$Ph.SO_2.N⁚CPh.NH_2$	$C_{13}H_{12}O_2SN_2$	A., 184, 348	135	Wallach and Gossmann	B., 11, 755	
" "	"	"	A., 108, 215	*139*	....	A., 214, 218	
Oxalylallyltolylthiocarbamide	$N(C_3H_5).CS.N(C_6H_4Me).CO.CO$=1.4	"	....	157	Maley	Z. C. [2], 5, 258 ; J. [1869], 637	vi., 1089
Dihydroxydiphenylthiocarbamide	$CS(NH.C_6H_4.OH)_2=(1.4)_2$	"	....	222 d.	Kalchoff	B., 16, 1831	**44**, 1110
Benzenesulphonnitrotoluide	$Ph.SO_2.NH.C_6H_3Me.NO_2$=4.1.3	$C_{13}H_{12}O_4SN_2$	....	99	Lellmann	B., 16, 595 ; A., 221, 1	**44**, 801 ; **46**, 51
Ethylic β-naphthylthiocarbamate	$C_{10}H_7.N⁚C(SH).OEt$	$C_{13}H_{13}OSN$	....	96–97	Cosiner	B., 14, 62	**40**, 606

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Toluenesulphonanilide ...	$Me.(SO_2.NHPh)=1.3$	$C_{13}H_{13}O_2SN$	....	72	Müller and Wiesinger	B., 12, 1349	
"	" $=1.4$	"	....	103	"	B., 12, 1348	
"	" $=1.2$	"	....	136	"	"	
Benzenesulphontoluide	$Me.(NH.O_2S.Ph)=1.4$	"	....	120	Wallach & Huth	B., 9, 427	
Benzenesulphonamido-toluide	$Ph.SO_2.NH.C_6H_3.Me.NH_2 =4.1.3$	$C_{13}H_{14}O_2SN_2$	....	146·5	Lellmann	B., 16, 597; A., 221, 1	**44**, 801; **46**, 51
Phenylbutylthiohydantoïn	$CO.NPh.CS.NH.CH.C_4H_9$	$C_{13}H_{16}OSN_2$	....	179 u.c.	Aschan	B., 16, 1545; 17, 426	**44**, 1107
Toluylenediacetyldithio-carbamide	$Me.(NH.CS.NHAc)_2=?.1.3$	$C_{13}H_{16}O_2S_2N_4$	....	232	Lussy	B., 8, 668	**28**, 1036
β-Nitroanthraquinone-sulphonic acid	$C_{14}H_6O_2.(NO_2).SO_3H$	$C_{14}H_7O_7SN$	....	250 d.	Claus	B., 15, 1516	**42**, 1105
α- " "	"	"	....	255 d.	"	B., 15, 1515	"
Nitroanthraquinonedi-sulphonic acid	$C_{14}H_5O_2(NO_2)(SO_3H)_2$	$C_{14}H_7O_{10}S_2N$	....	181–182	Claus & Schneider	B., 16, 908	
Anthraquinonesulphon-amide	$C_{14}H_7O_2.SO_2NH_2$	$C_{14}H_9O_4SN$	....	261	McHoul	B., 13, 692	**40**, 52
α-Amidoanthraquinone-sulphonic acid	$C_{14}H_6O_2.(NH_2).SO_3H$	$C_{14}H_9O_5SN$	....	d.w.m. 360	Claus	B., 15, 1519	
β- " "	"	"	....	a. 360 d.	"	B., 15, 1520	
Carbonylthiocarbanilide	$Ph.N:C.NPh.CO.S$?	$C_{14}H_{10}OSN_2$	....	87	Will	B., 14, 1486	**40**, 905
Benzoylphenylthiocarb-izine	$NPh.CS.NBz$	"	....	186	Fischer and Besthorn	A., 212, 330	**42**, 1095
Naphthalene dinitrothio-phene	$C_{10}H_8+C_4SH_2(NO_2)_2$	$C_{14}H_{10}O_4SN_2$	....	50	Rosenberg	B., 18, 1778	**48**, 1051
Phenylic benzoylthiocarb-amate	$NHBz.CS.OPh$	$C_{14}H_{11}O_2SN$	....	93	Miquel	A. C. [5], 11, 337	**32**, 872
Phenylnitrobenzoylthio-carbamide	$NHPh.CS.NH.CO.C_6H_4.NO_2$	$C_{14}H_{11}O_3SN_3$	....	230 d.	"	A. C. [5], 11, 322	**32**, 870
Phenylbenzoylthiocarb-amide	$NHPh.CS.NHBz$	$C_{14}H_{12}OSN_2$	....	148–149	"	A. C. [5], 11, 321	"
Benzphenylthiocarbamide	$C_6H_4Bz.(NH.CS.NH_2)=?$	"	....	166	Döbner	A., 210, 246	**42**, 508
Phenylthiocarbamido-benzoic acid	$NHPh.CS.NH.C_6H_4.CO_2H =1.2$	$C_{14}H_{12}O_2SN_2$	B., 3, 244	190–191	Rathke and Schäffer	A., 169, 106	**27**, 164
" "	" "	"	....	*191–192*	Miquel	A. C. [5], 11, 324	**32**, 870
" "	" $=1.3$	"	....	260–262 d.	Aschan	B., 17, 429	
Nitrophenylnitrotolylthio-carbamide	$NO_2.C_6H_4.NH.CS.NH.C_6H_3Me.OH=1.3;\ 1.4.5$	$C_{14}H_{12}O_4SN_4$	....	188	Steudemann	B., 16, 2335	**46**, 306
Nitrobenzyldisulphide	$S_2(CH_2.C_6H_4.NO_2)_2=(1.4)_2$	$C_{14}H_{12}O_4S_2N_2$	....	89	Strakosch	B., 5, 698	**25**, 1028
Nitrotoluenesulphonbenz-amide	$Me.NO_2.(SO_2.NHBz)=1.4.6$	$C_{14}H_{12}O_5SN_2$	....	130	Wolkow	Z. C. [2], 7, 422	**25**, 147; vii., 1169
Diamidosulphobenzidedi-carboxylic acid	$SO_2(C_6H_3.NH_2.CO_2H)_2 =(?.4.1)$	$C_{14}H_{12}O_6SN_2$	....	a. 350	Michael and Norton	B., 10, 582	
Dinitrodimethoxysulpho-benzide	$SO_2(C_6H_3.NO_2.OMe)_2$	$C_{14}H_{12}O_8SN_2$	....	214–215	Annaheim	A., 172, 49	**27**, 797
Benzenylphenylthio-uramidoxime	$NHPh.CS.NH.CPh:NOH$	$C_{14}H_{13}OSN_3$	....	163	Krüger	B., 18, 1060	**48**, 896
Amidodiphenylsulphacetic acid	$NH_2.C_6H_4.C_6H_4.S.CH_2.CO_2H =(1.4)_2$	$C_{14}H_{13}O_2SN$	....	a. 200	Gabriel and Dambergis	B., 13, 1411	**38**, 890
Nitrophenyltolylthiocarb-amide	$C_6H_4Me.NH.CS.NH.C_6H_4.NO_2=1.4;\ 1.3$	$C_{14}H_{13}O_2SN_3$	....	173	Steudemann	B., 16, 2335	**46**, 307
Nitrotolylphenylthiocarb-amide	$C_6H_3Me.NO_2.(NH.CS.NH Ph)=1.2.4$	"	....	143	"	B., 16, 2336	"
Toluenesulphobenzamide....	$Me.(SO_2.NHBz)=1.2$	$C_{14}H_{13}O_3SN$	....	110–112	Wolkow	Z. C. [2], 6, 579	vii., 1169
"	" $=1.4$	"	....	147–150	"	Z. C. [2], 6, 578	vii., 1168
Nitrotoluenesulphonbenz-enylamidine	$C_6H_3Me(NO_2).SO_2.N:CPh.NH_2=1.?.4$	$C_{14}H_{13}O_4SN_3$	....	122–123	"	B., 5, 142	**25**, 414
Ethylic nitrodiphenyl-sulphonate	$C_6H_4(NO_2).C_6H_4.SO_3Et =(1.4)_2$	$C_{14}H_{13}O_5SN$	....	168–169	Gabriel	B., 13, 1410	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Toluenesulphonbenzenylamidine	$C_6H_4Me.SO_2.N:CPh.NH_2$ =1.4	$C_{14}H_{14}O_2SN_2$	....	114	Wolkow	B., 5, 141 ; Z. C. [2], 6, 577	25, 413 ; vii., 1168
Nitrotoluenesulphotoluide	$C_6H_3Me.NO_2.(SO_2.NH.C_6H_4Me)$=1.2.4; 1.4	$C_{14}H_{14}O_4SN_2$	....	130–131	„	Z. C. [2]	vii., 1174
Azotoluenedisulphonic acid	$N_2(C_6H_3Me.SO_3H)_2=(4.1.2)_2$	$C_{14}H_{14}O_6S_2N_2$	....	d.w.m. 190	Neale	A., 203, 80	38, 807
„ „	„ „	„	+7½ H_2O	100	„	„	„
Dimethamidosulphobenzide	$Ph.SO_2.C_6H_4.NMe_2$	$C_{14}H_{15}O_2SN$	....	*82*	Michler and Meyer	B., 12, 1792	38, 108
„	„	„	....	81–82	Michler	B., 10, 1742	
Toluenesulphotoluide	$Me.(SO_2.NH.C_6H_4Me)=(1.3)_2$	„	....	103	Müller	B., 12, 1349	
„	„ $=(1.4)_2$	„	....	*117*	Wolkow	Z. C. [2], 6, 324	vii., 1168
„	„ „	„	....	118	Müller	B., 12, 1348	
„	„ $=(1.2)_2$	„	....	134	Müller	B., 12, 1348	
Phenyltaurineanilide	$NHPh.(CH_2)_2.SO_2.NHPh$	$C_{14}H_{16}O_2SN_2$	....	74	Leymann	B., 18, 870	48, 786
Azotoluenedisulphonamide	$N_2(C_6H_3Me.SO_2NH_2)_2$ =(2.1.3 or 5)$_2$	$C_{14}H_{16}O_4S_2N_4$	....	250	Kornatzki	A., 221, 179	46, 71
„	„ $=(4.1.2)_2$	„	....	270	Neale	A., 203, 82	38, 807
„	„ „	„	....	270	Heffter	A., 221, 208	46, 73
„	„ $=(2.1.4)_2$	„	....	300	Neale	A., 203, 76	38, 807
Sulphate of amidobenzoic acid	$NH_2.CO_2H$=1.2	$C_{14}H_{16}O_8SN_2$	....	188	Hübner	A., 149, 129	vi., 319
„ „	„ =4th	„	....	225	Fittica	B., 9, 792	30, 412
„ „	„ =1.2	„	....	230	Hübner	Z. C. [2]	vi., 317
„ „	„ „	„	+H_2O	225	„	„	„
„ „	„ =1.3	„	....	235	Fittica	J. p. [2], 13, 184; B., 9, 792	30, 412; 36, 151
„ „	„ =4th	„	....	240	„	J. p. [2], 13, 184	36, 152
Methylphenylhydrazine-sulphate	$(C_7H_{10}N_2)_2H_2SO_4$	$C_{14}H_{22}O_4SN_4$	....	180	Tafel	B., 18, 1742	48, 1061
Tetrethylbenzenesulphonamide	$Et_4.(SO_2NH_2)$=1.2.3.5.6	$C_{14}H_{23}O_2SN$	....	104–105	Galle	B., 16, 1746	44, 1092
Ethylcarbimidealdehyde ammonia	....	$C_{14}H_{31}O_2S_2N_5$	....	118–119	Schiff	B., 9, 573 ; G. I., 4, 244	30, 285; 31, 314
?	....	$C_{15}H_8O_5SN_4$	....	235	Stojentin	J. p. [2], 32, 1	48, 1195
Diphenylthiohydantoïn	CO.NPh.CS.NPh.CH_2	$C_{15}H_{12}OSN_2$	A., 207, 123	176	Lange	B., 12, 595	36, 651
Thiocarbamidobenzoic acid	$CS(NH.C_6H_4.CO_2H)_2$	$C_{15}H_{12}O_4SN_2$	B., 3, 812	a. 300	Merz and Weith	Z. C. [2], 7, 45	24, 231
„ „	„	„	....	begins 300 d.	Rathke & Schäffer	A., 169, 102	27, 163
Dinitroditolylthiocarbamide	$CS[NH.C_6H_2Me(NO_2)_2]_2$ =(4.1.2.?)$_2$	$C_{15}H_{12}O_6SN_6$	....	207	Steudemann	B., 16, 2338	46, 307
Ethylic thiodiphenylcarbamate	$C_{12}H_8SN.CO_2Et$	$C_{15}H_{13}O_2SN$	....	109–110	Fränkel	B., 18, 1845	48, 1130
Benzylbenzoylthiocarbamide	$NH_2.CS.NBz.CH_2Ph$	$C_{16}H_{14}OSN_2$	....	130	Miquel	B. S. [2], 25, 104	30, 73
„ „	$NHBz.CS.NH.CH_2Ph$	„	....	145	„	A. C. [5], 11, 324	32, 871
p-Tolyl „ „	$NHBz.CS.NH.C_6H_4Me$	„	....	165	„	„	„
Acetoxydiphenylthiocarbamide	$NHPh.CS.NH.C_6H_4.OAc$ =1.4	$C_{15}H_{14}O_2SN_2$	....	137	Kalchoff	B., 16, 1831	44, 1110
Diphenyltaurocarbamic anhydride	....	$C_{15}H_{14}O_3SN_2$	....	186–187 d.	Andreasch	M. C., 4, 136	44, 665
Nitroditolylthiocarbamide	$C_6H_4Me.NH.CS.NH.C_6H_3$ $Me.NO_2$=1.4; 4.1.2	$C_{16}H_{15}O_2SN_3$	....	169	Steudemann	B., 16, 2338	46, 308
Xylenesulphobenzamide	$Me_2.(SO_2.NHBz)$=1.3.4	$C_{15}H_{15}O_3SN$	....	149–151	Mahon	A. C. J., 4, 192	42, 1208
Cinnamaldehydeanilide sulphate	Ph.CH : CH.CH : NPh +H_2SO_4	$C_{15}H_{16}O_4SN$	....	157	Peine	B., 17, 2118	46, 1345
Dianisylthiocarbamide	$CS(NH.C_6H_4.OMe)_2=(1.2)_2$	$C_{15}H_{16}O_2SN_2$	....	134·5	Mülhäuser	B., 13, 923 ; A., 207, 246	38, 642; 42, 302
„	„ $=(1.4)_2$	„	....	185	Salkowski	B., 7, 1012	28, 65
Dimethylquinolphenylthiocarbamide	$NHPh.CS.NH.C_6H_3(OMe)_2$ =?.4.1	„	....	137	Baessler	B., 17, 2123	46, 1330
Dimethamidophenyltolylsulphone	$C_6H_4Me.SO_2.C_6H_4.NMe_2$=1.4	$C_{16}H_{17}O_2SN$	....	95	Michler & Meyer	B., 12, 1793	38, 108

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
? (ortho)	$NHPh.CH(OH).C_6H_4.O.CH_2.CO_2H+H_2SO_4$	$C_{15}H_{17}O_8SN$	....	186	Rössing	B., 17, 2994	**48**, 388
Oxallyldiphenyldithiobiuret	NH : $(CS.NPh.CO)_2$:	$C_{16}H_{11}O_2S_2N_3$	....	215	Stojentin	J. p. [2], 32, 1	**48**, 1196
α-Naphthalenesulphonanilide	$C_{10}H_7.SO_2.NHPh$	$C_{16}H_{13}O_2SN$	....	112	Carleson	B. S. [2], 27, 360	**32**, 490
β- ,,	,,	,,	....	132	,,	,,	,,
Carbonylthiocarbotoluide	S.CO.NPh.C : $N.C_6H_4Me$	$C_{16}H_{14}OSN_2$	....	116	Will	B., 14, 1487	**40**, 906
Phenylacetylthiocarbamidobenzoic acid	$Ph.NH.CS.NAc.C_6H_4.CO_2H$ =1.3	$C_{16}H_{14}O_3SN_2$	....	159–160	Aschan	B., 17, 429	
Diphenyldiacetylthiodiamine	$S(NAcPh)_2$	$C_{16}H_{16}O_2SN_2$	....	125–126	Smit	B., 8, 1447	**29**, 603
Acetamidophenyl sulphide	$S(C_6H_4.NHAc)_2$	,,	....	213·5; 215	Merz and Weith	B. 4, 390	**24**, 567; vii., 1154
,, disulphide	$S_2(C_6H_4.NHAc)_2$	$C_{16}H_{16}O_2S_2N_2$	....	215–217	Schmidt	B., 11, 1171	**34**, 974
,, trisulphide	$S_3(C_6H_4.NHAc)_2$	$C_{16}H_{16}O_2S_3N_2$	....	213–214·5	,,	,,	,,
Diethoxydinitrodiphenylsulphone	$SO_2(C_6H_3.NO_2.OEt)_2$	$C_{16}H_{16}O_8SN_2$	....	192	Annaheim	A., 172, 53	**27**, 797
Benzenesulphocumenamide	$Ph.SO_2.NH.C_{10}H_{11}O$	$C_{16}H_{17}O_3SN$	J. [1856], 505	161	Gerhardt and Chiozza	A. C. [3], 46, 151	ii., 177
Azobenzene-α-thymosulphonic acid	$Ph.N_2.C_6HMePr.OH.SO_3H$	$C_{16}H_{18}O_4SN_2$	....	215·75 d.	Stebbins	B., 14, 2793; A. C. J., 3, 112	**42**, 834
Diethylic azobenzenedisulphonate	$N_2(C_6H_4.SO_3Et)_2$=(1.3)$_2$	$C_{16}H_{18}O_6S_2N_2$	....	100	Mahrenholz and Gilbert	A., 202, 336	**38**, 805
Di(phenylsulphonethyl)-amine	$NH(C_2H_4.SO_2.Ph)_2$	$C_{16}H_{19}O_4S_2N$	....	77	Otto	J. p. [2], 30, 321	**48**, 537
Tolylimidotolylmethylthiocarbamate sulphate	$C_6H_4Me.N$: C(SMe).NH. $C_6H_4Me.H_2SO_4$=(1.4)$_2$	$C_{16}H_{20}O_4S_2N_2$	....	155–156	Will and Bielschowski	B., 15, 1310	
Azoxylenedisulphonamide	$N_2(C_6H_2Me_2.SO_2NH_2)_2$	$C_{16}H_{20}O_4S_2N_4$	....	174	Limpricht	B., 18, 2191	
Di(phenylsulphonethyl)-amine nitrate	$NH(C_2H_4.SO_2.Ph)_2.HNO_3$	$C_{16}H_{20}O_7S_2N_2$	....	189 d.	Otto and Damköhler	J. p. [2], 30, 321	**48**, 537
Xylidine sulphate....	$(C_6H_3Me_2.NH_2)_2.H_2SO_4$	$C_{16}H_{24}O_4SN_2$	198–210	....	Samonoff	J. R. [1882], 327	**44**, 180
Allylcarbimidealdehyde ammonia	$[C_3H_5.N(OEt).CS.NC_2H_4]_2+NH_3$	$C_{16}H_{31}O_2S_2N_5$	....	107–108	Schiff	G. I., 4, 244; B., 9, 571	**31**, 313
α-Naphthalenesulphobenzamide	$C_{10}H_7.SO_2.NHBz$	$C_{17}H_{13}O_3SN$	A., 114, 138	194–195	....	Z. C. [1871], 423	
Cymenesulphobenzenylamidine	$C_6H_3MePr.SO_2.N$: $CPh.NH_2$	$C_{17}H_{20}O_2SN_2$	....	188	Wolkow	B., 5, 142	**25**, 414
Dimethylquinolthiocarbamide	$CS[NH.C_6H_3(OMe)_2]_2$ =(?.4.1)$_2$	$C_{17}H_{20}O_4SN_2$	....	109	Bässler	B., 17, 2123	**46**, 1330
Tolylimidotolylethylenethiocarbamate	$C_{17}H_{18}SN_2.H_2SO_4$=(1.4)$_2$	$C_{17}H_{20}O_4S_2N_2$	....	194	Will and Bielschowski	B., 15, 1314	
Sinapinethiocyanate	$C_{16}H_{22}O_5N.S.CN$	$C_{17}H_{22}O_5SN_2$	....	176	Remsen & Coale	A. C. J., 6, 50	**46**, 1387
Anthracene+dinitrothiophene	$C_{14}H_{10}+C_4SH_2(NO_2)_2$	$C_{18}H_{12}O_4SN_2$	....	162	Rosenberg	B., 18, 1778	**48**, 1052
α-Naphthylbenzoylthiocarbamide	$C_{10}H_7.NH.CS.NHBz$	$C_{18}H_{14}OSN_2$	....	172–173	Miquel	A. C. [5], 11, 326	**32**, 871
Benzenesulphodiphenamide	$Ph.SO_2.NPh_2$	$C_{18}H_{15}O_2SN$	....	124	Wallach	A., 214, 220	**44**, 48
?	$(Ph.SO_2)_3NO$	$C_{18}H_{16}O_7S_3N$	A., 141, 371	98; *98·5*	Königs	B., 11, 618, 1590	**34**, 574
?	,,	,,	....	98·5	Otto and Ostrop	A., 141, 371	vi., 276
α-Naphthyldimethamidophenylsulphone	$C_{10}H_7.SO_2.C_6H_4.NMe_2$	$C_{18}H_{17}O_2SN$	....	91	Michler and Salathé	B., 12, 1789	**38**, 108
β- ,,	,,	,,	....	115–116 u.c.	Michael & Adair	B., 10, 586	
?	or $C_{18}H_{19}O_4S_2N_3$	$C_{18}H_{17}O_4S_2N_3$	....	112–115	....	A., 207, 129	
?	or $C_{18}H_{17}O_4S_2N_3$	$C_{18}H_{19}O_4S_2N_3$	....	,,	....	,,	
Phenylurethane sulphide....	$S_2[C(OEt)$: $NPh]_2$	$C_{18}H_{20}O_2S_2N_2$	....	102	Liebermann and Natanson	B., 13, 1575; A., 207, 159	**40**, 45; **42**, 299
Ditolylsulphonethylamine	$NH(C_2H_4.SO_2.C_6H_4Me)_2$ =(1.4)$_2$	$C_{18}H_{23}O_4S_2N$	....	Liquid	Otto	J. p. [2], 30, 321	**48**, 538
Dimesitylenesulphamide	....	,,	....	124	....	A., 184, 187	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dipseudocumenesulphamide	....	$C_{18}H_{23}O_4S_2N$	....	177	....	A., 184, 185	
Benzoylthiodiphenylamine	$C_{12}H_8NSBz$	$C_{19}H_{13}OSN$	brown 167	170·5	Fraenkl	B., 18, 1844	**48**, 1130
Phenylsulphophenylbenzamidine	NHPh.CPh : N.SO_2.Ph	$C_{19}H_{16}O_2SN_2$	....	138–139	Wallach and Gossmann	B., 11, 754; A., 214, 214	**34**, 670; **44**, 48
Furfuramide allylcarbimide	$C_{15}H_{12}O_3N_2+C_3H_5$.NCS	$C_{19}H_{17}O_3SN_3$	d. 135	118	Schiff	B., 10, 1191	**34**, 47
Amylic thiodiphenylallophanate	(CPh : NO)$_2$.$C_5H_{12}S$	$C_{19}H_{22}O_2SN_2$	....	70	Hofmann	B., 4, 249	**24**, 394; **vii.**, 408
Nitronaphthylsulphide	S($C_{10}H_6$.NO_2)$_2$	$C_{20}H_{12}O_4SN_2$	....	230–231 u.c.	Ekstrand	B., 17, 2604	**48**, 171
Anthraquinone-m-sulphonanilide	$C_{14}H_7O_2$.SO_2.NHPh	$C_{20}H_{13}O_4SN$	...	193	M'Houl	B., 13, 692	**40**, 52
α-Naphthalenesulphonaphthalide	$C_{10}H_7$.SO_2.NH.$C_{10}H_7$	$C_{20}H_{15}O_2SN$	....	82	Carleson	B. S. [2], 27, 360	**32**, 491
β- " "	"	"	....	177·5	"	"	"
Benzenesulphodibenzamide	Ph.SO_2.NBz_2	$C_{20}H_{15}O_4SN$	....	105	Gerhardt	J. [1856], 505	**i.**, 540
Tolylsulphophenylbenzamidine	C_6H_4Me.NH.CPh : N.SO_2.Ph	$C_{20}H_{18}O_2SN_2$	J. [1879], 438	145–146	Wallach and Gossmann	A., 214, 216; B., 11, 755	**44**, 48
Thallin sulphate	(C_9H_{10}NOMe)$_2$.H_2SO_4	$C_{20}H_{28}O_6SN_2$	B.r. 18, 72	100 s.d.	Vulpius	A. P. [3], 22, 840	**48**, 399
Thiocarbanilidothioxanilide	NHPh.CS.CO.NPh.CS.NHPh	$C_{21}H_{17}OS_2N_3$	....	231	Stojentin	J. p., 32, 1	**48**, 1195
p-Diazotrisulphotoluene hydride	....	$C_{21}H_{22}O_6S_3N_2$	....	190	Otto and Grüber	A., 145, 19	**vi.**, 289
Dicuminylthiocarbamide....	CS(NH.$C_{10}H_{13}$)$_2$	$C_{21}H_{28}O_2SN_2$	....	128	Raab	B., 10, 53	**32**, 894
Dimethamidophenylic m-anthraquinone-sulphonate	$C_{14}H_7O_2$.SO_2.C_6H_4.NMe_2	$C_{22}H_{17}O_4SN$	....	171	M'Houl	B., 13, 693	**40**, 52
Diisoamyloxydinitrodiphenylsulphone	SO_2(C_6H_3.NO_2.OC_5H_{11})$_2$	$C_{22}H_{28}O_8SN_2$	....	150–151	Annaheim	A., 172, 57	**27**, 797
Phenylcarbimide+aldehyde ammonia	....	$C_{22}H_{31}O_2S_2N_5$	....	148 d.	Schiff	B., 9, 567	**30**, 285
Dithiotetraphenylcarbamide	CO($NC_{12}H_8S$)$_2$	$C_{25}H_{16}OS_2N_2$	....	223–225	Fraenkl	B., 18, 1848	**48**, 1130
?-picrate	$C_{14}H_8S_2+2C_6H_2$.OH.(NO_2)$_3$	$C_{26}H_{14}O_{14}S_2N_6$	....	146	Limpricht	B., 6, 534	**26**, 1032
Diphenyldibenzoylthiodiamine	S(NPhBz)$_2$	$C_{26}H_{20}O_2SN_2$	....	150	Smit	B., 8, 1448	**29**, 603
Benzoylphenylthiocarbamide	CS(NH.C_6H_4Bz)$_2$=(1.4)$_2$	$C_{27}H_{20}O_2SN_2$	A., 210, 273	166	Döbner & Weiss	B., 14, 1840	**42**, 177
Tetranitrothionessal	....	$C_{28}H_{16}O_8SN_4$	....	a. 250	....	A., 144, 197	
Succinylbenzoylbenzenesulphamide	....	$C_{30}H_{24}O_8S_2N_2$	....	146	....	J. [1856], 507	
Tetramethoxydiphenylphenylthiocarbamide	[.C_6H_2(OMe)$_2$.NH.CS.NHPh]$_2$=(?.1.4.?)$_2$	$C_{30}H_{30}O_4S_2N_4$	....	184	Baessler	B., 17, 2128	**46**, 1331
Trisulphodiphenylnitric oxide	(Ph.C_6H_4.SO_2)$_3$NO	$C_{36}H_{27}O_7S_3N$	....	178	Gabriel & Deutsch	B., 13, 389	**38**, 477
Pseudoleucine	....	$C_{36}H_{78}O_{12}SN_6$	....	210	Hesse	J. p., 70, 34	**iii.**, 582
Cinchonine sulphate	($C_{19}H_{22}ON_2$)$_2H_2SO_4$	$C_{38}H_{46}O_6SN_4$	$+2H_2O$	a. 100	Pastrew	....	**i.**, 977
" "	....	"	"	*196 u.c.*	Skraup	A., 197, 352	**36**, 948
Trimethylic dithiophosphate	MeS.(OMe)$_2$PS	$C_3H_9O_2S_2P$	....	Liquid −12	Kovalevsky	A., 119, 303	**vii.**, 1122
Triethylic trithiophosphate	Et_3POS_3	$C_6H_{15}OS_3P$	....	Liquid −18	Carius	A., 119, 289	**vii.**, 1120
" dithiophosphate	$Et_3PO_2S_2$	$C_6H_{15}O_2S_2P$	....	Liquid −18	"	"	"
" thiophosphate	Et_3PO_3S	$C_6H_{15}O_3SP$	....	Liquid −18	"	"	"
Tetraethylic pentathiopyrophosphate	(EtS)$_2$(EtO)$_2P_2S_3$	$C_8H_{20}O_2S_5P_2$	J. [1861], 586	71·2	"	A., 119, 300	**vii.**, 1124
Tetraethylic dithiopyrophosphate	(EtO)$_4P_2S_2$O	"	b. 160 d.	Liquid	"	A., 119, 299	**vii.**, 1123
Diethylic thiophosphenylate	Ph.PS(OEt)$_2$	$C_{10}H_{15}O_2SP$	....	Liquid	Köhler and Michaelis	B., 9, 1054	**30**, 526

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenoxydiphenylphosphine sulphide	$PhO.S.PPh_2$	$C_{18}H_{15}OSP$	....	124	Michaelis & Coste	B., 18, 2115	**48**, 1215
Triphenylic trithiophosphate	Ph_3POS_3	$C_{18}H_{15}OS_3P$	....	72	....	J. p. [2], 10, 232	
Triphenylic thiophosphate	Ph_3PO_3S	$C_{18}H_{15}O_3SP$	*390–394 s.d.*	*48–49*	Kreysler	B., 18, 1719	**48**, 1056
" "	"	"	a. 300 d.	49	....	J. p. [2], 10, 233	
Tribenzylphosphine oxide +S	$5[(Ph.CH_2)_3PO]+S$	$C_{105}H_{105}O_5SP_5$	....	211–212	Letts and Collie	T. E., 30, 181	**42**, 725
Methyltriethylstibium sulphate	$(MeEt_3Sb)_2SO_4$	$C_7H_{18}O_4SSb$	....	100	Friedländer	J. p., 70, 443	i., 348
Methylselenide nitrate	$Me_2Se(OH).NO_3$(?)	$C_2H_7O_3SeN$	....	90·5	Jackson	B., 8, 110	**28**, 553
Nitrobenzylseleniocyanate	$C_6H_4.NO_2.(CH_2.SeCN)$	$C_8H_6O_2SeN_2$	A., 179, 16	122·5	"	B., 8, 322	**28**, 1025
Phenoxydiphenylphosphinselenide	$PPh_2.Se.OPh$	$C_{18}H_{15}OSeP$	....	114–115	Michaelis & Coste	B., 18, 2115	**48**, 1215
Phosphate of a base	formula uncertain	$C_4H_{13}O_4N_2P$	....	170	Schreiner	A., 194, 68	**36**, 72
Nitrophosphenylic acid	$C_6H_4(NO_2).PO(OH)_2$	$C_6H_6O_5NP$	d. a. 200	*132*	Michaelis and Benzinger	B., 8, 1312; A., 188, 276	**29**, 599; **34**, 57
" "	"	"	....	140	Benzinger	B., 8, 501	**28**, 1205
Nitrophenylic phosphate	$PO(OH)_2(O.C_6H_4.NO_2)$	$C_6H_6O_6NP$	....	112	Rapp	A., 224, 156	**46**, 1337
Diazophosphenylic acid nitrate	$NO_3.N_2.C_6H_4.PO(OH)_2$	$C_6H_6O_6N_3P$	....	188	Michaelis and Benzinger	B., 9, 516; A., 188, 288	**30**, 204; **34**, 58
?	$CHMe_2.CH:CH(CMe:NOH).PO(OH)_2$	$C_7H_{15}O_4NP$	....	169–170 d.	Michaelis	B., 18, 906	**48**, 748
Dinitrodiphenylic phosphate	$PO(OH)(O.C_6H_4.NO_2)_2$	$C_{12}H_9O_8N_2P$	....	133·5	Rapp	A., 224, 156	**46**, 1338
Phosphorous dianilide	$(Ph.NH)_2P.OH$	$C_{12}H_{13}ON_2P$	C. N., 50, 220	87	Jackson and Menke	B., 16, 570; A. C. J., 4, 380; 6, 89	**48**, 254
Phosphoric dianilide	$(Ph.NH)_2PO.OH$	$C_{12}H_{13}O_2N_2P$	....	196	Michaelis & Soden	A., 229, 334	**48**, 1134
Trinitrotriphenylphosphine oxide	$PO(C_6H_4.NO_2)_3$	$C_{18}H_{12}O_7N_3P$	d. a. 243	243	Soden	B., 17, 922	**46**, 1180
Trinitrotriphenylic phosphate	$PO(O.C_6H_4.NO_2)_3=(1.2)_3$	$C_{18}H_{12}O_{10}N_3P$	....	126	....	Z. C. [1870], 230	
" "	" " =?	"	....	155	Rapp	A., 224, 156	**46**, 1338
Phosphenyldiamide	PON_2Ph_3	$C_{18}H_{15}ON_2P$	....	b. 100	Wichelhaus	Z. C. [2], 6, 54	vi., 932
Diphenylic phosphanilate	$Ph.NH.PO(OPh)_2$	$C_{18}H_{16}O_3NP$	....	127–129	Wallach and Heymer	B., 8, 1236	**29**, 263
Orthophosphoric trianilide	$PO(NHPh)_3$	$C_{18}H_{18}ON_3P$	....	208	Michaelis & Soden	A., 229, 334	**48**, 1134
Triamidotriphenylphosphine oxide	$PO(C_6H_4.NH_2)_3$	"	....	259	Soden	B., 17, 923	**46**, 1180
Aniline diphenylic phosphate	$PH.NH_3O.PO(OPh)_2$	$C_{18}H_{18}O_4NP$	....	160	Wallach and Heymer	B., 8, 1236	**29**, 263
Quinine hypophosphite	$C_{20}H_{24}O_2N_2+H_3PO_2$	$C_{20}H_{27}O_4N_2P$	....	150 p. d.	Smith	Z. P., 1, 159	v., 20
Diphenylmethylethylphosphonium picrate	$C_6H_2(NO_2)_3.O(PPh_2MeEt)$	$C_{21}H_{20}O_7N_3P$	....	86	Michaelis and Link	A., 207, 193	**42**, 306
Triacetamidotriphenylphosphine oxide	$PO(C_6H_4.NHAc)_3$	$C_{24}H_{24}O_4N_3P$	....	187·5	Soden	B., 17, 923	**46**, 1180
Tridimethamidotriphenylphosphine oxide	$PO(C_6H_4.NMe_2)_3$	$C_{24}H_{30}ON_3P$	....	150–152	Michaelis and Soden	A., 229, 334	**48**, 1135
Triphenylbenzylphosphonium nitrate	$PPh_3(CH_2Ph).NO_3$	$C_{25}H_{22}O_3NP$	....	203 d.	"	"	"
Triphenylbenzylphosphonium picrate	$PPh_3(CH_2Ph).O.C_6H_2(NO_2)_3$	$C_{31}H_{24}O_7N_3P$	....	148	"	"	"
Tribenzamidotriphenylphosphine oxide	$PO(C_6H_4.NHBz)_3$	$C_{39}H_{30}O_4N_3P$	....	180	Soden	B., 17, 923	**46**, 1180
? (C.N., 50, 220)	$(NHPh)_7P_3O_2H_2$(?)	$C_{42}H_{44}O_2N_7P_3$	....	208	Jackson & Menke	A. C. J., 6, 89	**48**, 254
Protagon	....	$C_{160}H_{308}O_{35}N_5P$	....	begins 200	Gamgee	B., 12, 1229	**36**, 950

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diphenylmethylethyl-arsonium picrate	$C_6H_2(NO_2)_3.O(PPh_2MeEt)$	$C_{21}H_{20}O_7N_3As$	....	95	Michaelis and Link	A., 207, 193	**42**, 305
Stibtriethylnitrate	$Et_3Sb(NO_3)_2$	$C_6H_{15}O_6N_2Sb$	....	62·5	....	....	i., 343
Stibtriamylnitrate	$(C_5H_{11})_3Sb(NO_3)_2$	$C_{15}H_{33}O_6N_2Sb$	....	20	Berle	J. p., 65, 385	i., 340
Triethylallylthiocarb-phosphamide	$CS:NPEt_3(C_3H_5)$	$C_{10}H_{20}SNP$	As., 1, 48	68	Hofmann	P. T. [1860], 439; B., 3, 766	iv., 616
Triethylphenylthiocarb-phosphamide	$CS:NPEt_3Ph$	$C_{13}H_{20}SNP$	....	58	"	P. T. [1860], 432	"
Orthothiophosphoric tri-anilide	$PS(NHPh)_3$	$C_{18}H_{18}SN_3P$	J., 21, 734	78	Chevrier	Z. C. [1868], 539	
Triphenylbenzylphospho-nium thiocyanate	$PPh_3(CH_2Ph).SCN$	$C_{26}H_{22}SNP$	....	189	Michaelis and Soden	A., 229, 334	**48**, 1135
Dibrom-β-thiophenedi-sulphonyl chloride	$C_4SBr_2(SO_2Cl)_2$	$C_4Cl_2Br_2O_4S_3$	brown 180	215 d.	Langer	B., 18, 556	**48**, 766
Pentabrombenzenesulph-onyl chloride	$C_6Br_5.SO_2Cl$	$C_6ClBr_5O_2S$	....	90	Limpricht and Beckurts	B., 9, 479; A., 181, 209	**30**, 202, 305
" "	"	"	....	97	Limpricht	A., 191, 175	**34**, 495
" "	"	"	....	*153–154*	Heinzelmann	A., 197, 311	**36**, 802
Trichlordibromnitroethane	$C_2Cl_3Br_2(NO_2)$	$C_2Cl_3Br_2O_2N$	....	120	Hoch	J. p. [2], 6, 96	**26**, 364; vii., 259
Tetrachlorethylidenimide-chlorphosphoryl	$CCl_3.CCl:N.POCl_2$	C_2Cl_6ONP	255–259	78–81	Wallach	B., 15, 1608; A., 184, 25	**32**, 183
" "	"	"	255–259	s. 70–80	"	B., 8, 306	**28**, 884
Dinitrodibromthiophene ...	$C_4SBr_2(NO_2)_2$	$C_4Br_2O_4SN_2$	....	134	Kreis	B., 17, 2075	**46**, 1314

V.—COMPOUNDS CONTAINING SIX ELEMENTS.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Fluobenzenesulphonylchloride	$C_6H_4F.SO_2Cl=1.4$	$C_6H_4FClO_2S$	....	36	Lenz	B., 10, 1136; 12, 581	**36**, 650
Fluobenzenesulphonamide	$C_6H_4F.(SO_2.NH_2)=1.4$	$C_6H_6FO_2SN$	....	123	„	„	**32**, 770; **36**, 650
Chlorbromiodacrylic acid....	$C_2ClBrI.CO_2H$	$C_3HClBrIO_2$	fr. H_2O fr. CS_2	110 *115–116*	Mabery & Lloyd	B., 15, 1756; A. C. J., 4, 92	**42**, 1049
Trimethylsulphinechlorbromiodide	$Me_3SIBrCl$	$C_3H_9ClBrIS$	....	87 p.d.	Dobbin & Masson	....	**47**, 61
Dibrom-β-thiophenesulphonylchloride	$C_4SHBr_2.SO_2Cl$	$C_4HClBrO_2S_2$	....	Liquid	Langer	B., 18, 553	**48**, 765
„ -β-thiophenic chloride	$C_4SHBr_2.COCl$ (identical)	C_5HClBr_2OS	250–270	*35·5*	Bonz	B., 18, 2312	**48**, 1206
„ -α- „ „	„ „	„	....	39·5	„	„	„
Tetrabrombenzenesulphonylchloride	$Br_4.SO_2Cl=1.2.3.5.6$	$C_6HClBr_4O_2S$	....	85–91	Reinke	A., 186, 271	**32**, 464
„ „	„ „	„	....	91·5	Limpricht and Beckurts	B., 9, 477; A., 181, 219	**30**, 201, 305
„ „	„ „	„	....	93	Knuth	A., 186, 300	**32**, 468
„ „	„ „	„	....	*96·5*	Limpricht	A., 191, 201, 227	**34**, 494
„ „	„ $=1.2.3.4.5$	„	....	120	Lenz	A., 181, 46	**30**, 200
„ „	„ „	„	....	120	Spiegelberg	A., 197, 295	**36**, 801
Tribrombenzenesulphonylchloride	$Br_3.SO_2Cl=1.(?)_2.6$	$C_6H_2ClBr_3O_2S$	....	56	Limpricht	B., 8, 1070	**29**, 82
„ „	„ „	„	....	56	Bahlmann	A., 181, 208	**30**, 306
„ „	„ $=1.3.5.6$	„	....	62–63	Limpricht and Reinke	B., 9, 550; A., 186, 277	**30**, 302; **32**, 461
„ „	„ „	„	....	64·5	Limpricht	B., 9, 476	**30**, 201
„ „	„ „	„	....	64·5	Knuth	A., 186, 295	**32**, 467
„ „	„ „	„	....	*64–65*	Limpricht	A., 191, 196, 212	**34**, 493
„ „	„ $=1.(?)_2.6$	„	....	72	Bahlmann	A., 181, 208	**30**, 306
„ „	„ $=?$	„	....	78	Reinke	A., 186, 271	**32**, 465
„ „	„ $=1.2.4.6$	„	....	85·5	Knuth	A., 186, 209	**32**, 469
„ „	„ „	„	....	*86*	Lenz	A., 181, 40	**30**, 200
„ „	„ $=1.2.4.5$	„	A., 186, 304	84·5	Reinke	A., 186, 289	**32**, 465
„ „	„ „	„	....	85·5	Spiegelberg	A., 197, 284	**36**, 799
„ „	„ „	„	....	*86·5*	Limpricht	A., 191, 191	**34**, 493
„ „	„ $=1.2.?.4$	„	identical ?	120–121	Limpricht and Goslich	B., 9, 1862; A., 186, 155	**31**, 596; **32**, 461
„ „	„ $=1.2.3.5$	„	„	*127*; cf. 123	Lenz	A., 181, 31	**30**, 199
„ „	„ $=?$	„	yellow	125	Limpricht	B., 8, 1068	**29**, 82
„ „	„ „	„	colourless	195	„	„	„
Dibrombenzenedisulphonylchloride	$Br_2.(SO_2Cl)_2=1.4.5.?$	$C_6H_2Cl_2Br_2O_4S_2$	....	161	Borus	A., 187, 367	**32**, 770
Dibrombenzenesulphonylchloride	$Br_2.SO_2Cl=1.2.4$	$C_6H_3ClBr_2O_2S$	A., 191, 180	31	Limpricht and Goslich	B., 9, 1861; A., 186, 146	**31**, 595; **32**, 460
„ „	„ „	„	....	34	Sachse	A., 188, 143	**32**, 752
„ „	„ „	„	....	*34*	Spiegelberg	A., 197, 257	**36**, 797
„ „	„ $=1.3.5$	„	....	57·5	Lenz	A., 181, 28	**30**, 199
„ „	„ „	„	A., 181, 202	57·5	Limpricht	B., 8, 1066	**29**, 81
„ „	„ „	„	....	57·5	Sachse	A., 188, 143	**32**, 752
„ „	„ $=1.4.5$	„	....	70·5	Limpricht	B., 8, 1072	**29**, 82
„ „	„ „	„	....	70·5; 71	„	B., 9, 1859, 1868	**31**, 597
„ „	„ „	„	....	71	„	B., 10, 318	**32**, 192
„ „	„ „	„	....	71	Bahlmann	A., 181, 207	**30**, 306

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibrombenzenesulphonyl-chloride	$Br_2.SO_2Cl$=1.4.5	$C_6H_3ClBr_2O_2S$	....	*71*	Limpricht	A., 186, 131	**32**, 460
„	„ „	„	....	71	Bahlmann	A., 186, 313	**32**, 609, 610
„	„ „	„	....	71	Sachse	A., 188, 143	**32**, 752
„	„ „	„	....	71–72	Borus	A., 187, 350	**32**, 768
„	„ =1.3.4	„	....	79	Limpricht	A., 191, 234	**34**, 493
„	„ =?	„	....	84	„	B., 8, 1070	**29**, 82
„	„ =1.?.6	„	....	97–98	„	B., 9, 1862	**31**, 596
„	„ „	„	....	97–98	Bahlmann	A., 181, 207	**30**, 306
„	„ =1.2.3	„	...	127	Sachse	A., 188, 155	**32**, 752
Brombenzenedisulphonyl-chloride	$Br.(SO_2Cl)_2$=1.2.6	$C_6H_3Cl_2BrO_4S_2$	....	99	Heinzelmann	A., 188, 179	**32**, 773
„	„ =1.2.4	„	....	103	„	A., 190, 222	**34**, 410
„	„ „	„	....	103–105	Meyer	B., 7, 1311	**28**, 259
„	„ „	„	....	*103–105*	Zander	A., 198, 11	**38**, 123
„	„ =1.3.2 or 4	„	....	104	„	A., 198, 29	**38**, 124
Chlorbenzenesulphonyl-bromide	$Cl.SO_2Br$=1.4	$C_6H_4ClBrO_2S$	J. [1867], 630	52–53	Otto	A., 145, 324	vi., 274
Brombenzenesulphonyl-chloride	$Br.SO_2Cl$=1.3	„	B., 7, 1352	Liquid	Limpricht	B., 7, 1352	**28**, 268
„	„ „	„	....	Liquid	„	A., 186, 134	**32**, 459
„	„ „	„	....	Liquid	Berndsen	A., 177, 94	**28**, 1029
„	„ =1.2	„	A., 177, 101	51	Limpricht	B., 10, 318	**32**, 193
„	„ „	„	....	*51*	Bahlmann	A., 181, 203; 186, 307	**30**, 306; **32**, 611
„	„ =1.4	„	....	69	Limpricht	B., 7, 1352	**28**, 268
„	„ „	„	....	75	Nölting	B., 7, 1310	**28**, 264
„	„ „	„	....	75	Goslich	B., 8, 352; A., 180, 98	**28**, 764; **29**, 929
„	„ „	„	....	75–76	Nölting	B., 8, 595, 596	
„	„ „	„	....	75–76	Hübner & Alsberg	Z. C. [2], 6, 389	vii., 153
„	„ =?	„	....	185–187	Limpricht	B., 14, 1361	**42**, 518
Disulphonylchloride brom-benzoic acid	$CO_2H.Br.(SO_2Cl)_2$=1.4.(?)$_2$	$C_7H_3Cl_2BrO_6S_2$	....	151	Kornatzki	A., 221, 191	**46**, 70
Chloride of Sulpho-p-brom-benzoic acid	$CO_2H.Br.SO_2Cl$ or $COCl.Br.SO_3H$=1.4.?	$C_7H_4ClBrO_4S$	....	108	Böttinger	B., 9, 1252	**31**, 82
„	„ „	„	....	155 d.	„	B., 9, 803	**30**, 413
„	„ „	„	....	176	„	B., 9, 1252	**31**, 82
„	„ „	„	....	197 d.	„	A., 191, 18	**34**, 730
Tribromtoluenesulphonyl-chloride	$Me.Br_3.SO_2Cl$=1.(?)$_3$.4	„	....	Liquid	Limpricht	B., 7, 1355; A., 174, 355	**28**, 268
Bromtoluenedisulphonyl-chloride	$Me.Br.(SO_2Cl)_2$=1.2.3.5	$C_7H_5Cl_2BrO_4S_2$	....	90	„	B., 18, 2177	**48**, 1233
„	„ =1.4.(?)$_2$	„	....	99	Kornatzki	A., 221, 191	**46**, 70
„	„ =1.4.(2.6 or 3.5)	„	....	133; sf. 129	Limpricht	B., 18, 2179	**48**, 1233
Brombenzylsulphonyl-chloride	$Br.(CH_2.SO_2Cl)$=1.4	$C_7H_6ClBrO_2S$	....	107	Mohr	A., 221, 215	**46**, 69
„	„ „	„	....	115	Jackson and Hartshorn	A. C. J., 5, 264	**46**, 665
Bromtoluenesulphonyl-chloride	$Me.Br.SO_2Cl$=?	„	A., 169, 385	Liquid	Hayduck	A., 177, 60	**28**, 1030
„	„ =1.4.6	„	....	30–35	Jenssen	A., 172, 238	**28**, 78
„	„ „	„	....	*35*	Hübner and Post	A., 169, 21	**27**, 57
„	„ „	„	....	35	Hässelbarth	B., 6, 411	**26**, 886
„	„ =1.3.5	„	....	52	Neville & Winther	B., 13, 1944	
„	„ =1.2.3 or 5	„	....	52–53	Hübner and Post	A., 169, 40	**27**, 59
„	„ „	„	....	53	Pagel	A., 176, 296	**28**, 898
„	„ „	„	....	53	Limpricht	B., 7, 720	**27**, 991
„	„ „	„	....	*53*	„	B., 7, 1393	**28**, 368
„	„ „	„	....	53	Pechmann	A., 183, 195	**28**, 80
„ (fr. 1·4 toluidine)	„ =?	„	....	53	....	A., 173, 213	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromtoluenesulphonyl-chloride	$Me.Br.SO_2Cl=1.2.4$	$C_7H_6ClBrO_2S$	....	54	Hayduck and Limpricht	A., 172, 207; B., 7, 554	27, 905, 1095
„	„ $=1.2.3$	„	....	55·6–56·6	Neville & Winther	B., 13, 1943	37, 628
„	„ $=1.4.5$	„	A., 173, 208	61	Limpricht	B., 7, 719	27, 991
„	„ „	„	A., 169, 9	61–62	Neville & Winther	B., 13, 1947	37, 631
p-Bromphenylmercaptan + chloral	$C_2HCl_3O+C_6H_4Br.SH$	$C_8H_6Cl_3BrOS$	....	72	Baumann	B., 18, 887	48, 749
Dibromxylenesulphonyl-chloride	$Me_2.Br_2.SO_2Cl=1.3.(?)_2.2$	$C_8H_7ClBr_2O_2S$	....	107	Jacobsen and Weinberg	B., 11, 1535	36, 62
Bromxylenesulphonyl-chloride	$Me_2.Br.SO_2Cl=1\ 3.6.4$	$C_8H_8ClBrO_2S$	....	61	Weinberg	B., 11, 1063	34, 725
„	„	„	....	61	Limpricht	B., 18, 2188	
β-Chloride of ethylic sulphobrombenzoate	$CO_2Et.Br.SO_2Cl$ or $COCl.Br.SO_3Et=1.4$	$C_9H_8ClBrO_4S$	....	90–90·5	Böttinger	B., 9, 1252	31, 82
α- „	„	„	....	165	„	„	„
Dibrom-β-naphthalene-sulphonylchloride	$C_{10}H_5Br_2.SO_2Cl$	$C_{10}H_5ClBr_2O_2S$	....	108–109	Jolin	B. S. [2], 28, 517	
Bromnaphthalenesulphonylchloride	$Br.SO_2Cl=\alpha_1\alpha_2$	$C_{10}H_6ClBrO_2S$	A., 147, 185	86–87	„	B. S. [2], 28, 516	32, 902
„	„ $=?\alpha_2$	„	....	90	„	B. S. [2], 28, 517	„
Chlornaphthalenesulphonylbromide	$Cl.SO_2Br=?$	„	....	115–116	Gessner	B., 9, 1504	31, 317
Bromcymenesulphonyl-chloride	$Me.Pr.Br.SO_2Cl=?$	$C_{10}H_{12}ClBrO_2S$	....	80–81	Paterno and Canzeroni	G. I., 11, 124	40, 594
Chlordibromacetamide	$CClBr_2.CO.NH_2$	$C_2H_2ClBr_2ON$	....	125	Neumeister	B., 15, 604	42, 944
Dichlorbromacetamide	$CCl_2Br.CO.NH_2$	$C_2H_2Cl_2BrON$	253–255 d.	139	„	B., 15, 603	„
Chlorbromacetamide	$CHClBr.CO.NH_2$	$C_2H_3ClBrON$	....	126	Cech and Steiner	B., 8, 1174	29, 373
Brompropylenecarbamide + HCl	$CO{:}(NH){:}C_3H_5Br+HCl$	$C_4H_6ClBrON_2$	....	143	Andreasch	M. C., 5, 33	46, 732
Chlorbromalacetamide ...	$CClBr_2.CH(OH).NHAc$	$C_4H_6ClBr_2O_2N$	....	158	Jacobsen and Neumeister	B., 15, 601	42, 938
Bromchloralacetamide	$CCl_2Br.CH(OH).NHAc$	$C_4H_6Cl_2BrO_2N$	....	158	„	„	„
Dibromquinonechlorimide	$C_6H_2Br_2.NCl.O$	$C_6H_2ClBr_2ON$	d. 121	80	Möhlau	B., 16, 2845	46, 594
Nitrochlorbrombenzene	$Cl.Br.NO_2=1.3.6$	$C_6H_3ClBrO_2N$	J. [1875], 325	46·8	Körner	G. I., 4, 305	29, 220
„	„ $=1.3.4$	„	„	49·5	„	„	„
„	„ $=1.4.6$	„	„	68·6	„	„	„
„	„ $=1.3.5$	„	„	82·5	„	„	29, 221
Nitrochlorbromaniline	$NH_2.Cl.Br.NO_2=1.4.2.6$	$C_6H_4ClBrO_2N_2$	J. [1875], 352	106·4	„	„	29, 219
Dulcitolnitrochlorbromhydrin	....	$C_6H_8ClBrO_{12}N_4$	....	115	....	A. C. [4], 27, 124	
Dibrompyridinebetaïne + HCl	$C_5H_3Br_2N.CH_2.CO.O+HCl$	$C_7H_6ClBr_2O_2N$	begins d. 184	193	Gerichten	B., 15, 1253	42, 1110
Bromdichloramidoacetophenone	$CHCl_2.CO.C_6H_3Br.NH_2=1.3.6$	$C_8H_6Cl_2BrON$	....	110–120	Baeyer & Bloem	B., 17, 968	48, 1027
Bromamidoanisic acid + HCl	$OMe.Br.NH_3Cl.CO_2H=?$	$C_8H_9ClBrO_3N$	....	186	Balbiano	G. I., 14, 234	48, 530
Nitrosylchloridehesperidinedibromide	....	$C_{10}H_{14}ClBr_2ON$	....	130–131	Goldschmidt and Zürrer	B., 18, 2223	48, 1210
Dinitrodibromdiphenyltrichlorethane	$CCl_3.CH(C_6H_3Br.NO_2)_2$	$C_{14}H_7Cl_3Br_2O_4N_2$	....	168–170	Zeidler	B., 7, 1181	28, 148
Chlornaphthaquinone-bromanilide	$C_{10}H_4ClO_2.NH.C_6H_4Br=1.4$	$C_{16}H_9ClBrO_2N$	....	262	Plagemann	B., 15, 486	42, 973
Chlornaphthaquinone-bromtoluide	$C_{10}H_4ClO_2.NH.C_6H_3MeBr=4.1.?$	$C_{17}H_{11}ClBrO_2N$	....	185	„	B., 15, 487	„
„	„ $=2.1.?$	„	....	212	„	„	„
PCl_5 on bromcodeïne	....	$C_{18}H_{19}ClBrO_2N$		131	Gerichten	A., 210, 113	42, 312
Diacetonephosphorus-chlorobromide	$C_6H_{10}O_2.PClBr_2$	$C_6H_{10}ClBr_2O_2P$	....	142	Michaelis	B., 18, 901	48, 747

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Allylthiocarbamidechlorobromide	$NH_2.CS.NH.C_3H_5ClBr$	$C_4H_8ClBrSN_2$	....	129–130	Maly	Z. C. [1867], 43; J. p., 100, 321	v., 782
Iodobenzenesulphonylchloride	$C_6H_4I.SO_2Cl=1.2$	$C_6H_4ClIO_2S$	....	51	Limpricht and Bahlmann	B., 10, 321; A., 186, 326	32, 193, 611
„ „	„ $=1.4$	„	....	86–87	Lenz	B., 10, 1136	32, 770
Iodotoluenedisulphonylchloride	$Me.I.(SO_2Cl)_2=?$	$C_7H_6Cl_2IO_4S_2$	....	143	Limpricht	B., 18, 2179	48, 1233
Diiodoquinonechlorimide....	$C_6H_2I_2.O.NCl=(?)_2.4.1$	$C_6H_2ClI_2ON$	....	123	Seifert	J. p. [2], 28, 437	46, 431
Nitrochloriodobenzene	$NO_2.Cl.I=1.2.4(?)$	$C_6H_3ClIO_2N$	J. [1875], 328	?	Körner	G. I., 4, 305	29, 221
„	„ $=1.3.6$	„	„	63·3	„	„	„
„	„ $=1.4.6$	„	„	63·4	„	„	„
Caffeïnechloriodide+HCl	....	$C_8H_{11}Cl_2IO_2N_4$	....	175	Ostermeyer	B., 18, 2299	48, 1250
Diiodohydroxyquinoline +HCl	$C_9NH_4(OH)I_2+HCl$	$C_9H_6ClI_2ON$	....	100	„	C. C. [1884], 937	48, 673
Chloriodocinchonic acid +HCl	$C_9NH_6ClI.CO_2H+HCl$	$C_{10}H_8Cl_2IO_2N$	....	190	„	„	„
Dimethylaminesulphonylchloride	$NMe_2.SO_2Cl$	$C_2H_6ClO_2SN$	183–187	Liquid	Behrens	B., 14, 1810	42, 164
Chlortaurine	$C_2H_3Cl(NH_2).SO_3H$	$C_2H_6ClO_3SN$	....	191–201	Spring	B., 15, 446	42, 938
Nitrothiophenesulphonylchloride	$C_4SH_2(NO_2).SO_2Cl$	$C_4H_2ClO_4S_2N$	....	Liquid	Städler	B., 18, 535	48, 764
Diethylaminesulphonylchloride	$NEt_2.SO_2Cl$	$C_4H_{10}ClO_2SN$	208	Liquid	Behrend	B., 15, 1612	42, 1282
Dinitrobenzenesulphonylchloride	$(NO_2)_2.SO_2Cl=1.2.3$	$C_6H_3ClO_6SN_2$	....	*89*	Sachse	A., 187, 143	32, 752
„ „	„	„	....	97	Limpricht	B., 9, 554	30, 303
Nitrobenzenedisulphonylchloride	$NO_2.(SO_2Cl)_2=1.2.4$	$C_6H_3Cl_2O_6S_2N$	....	Liquid f.m.	Heinzelmann	A., 188, 166	32, 772
„ „	„ $=1.3.5$	„	....	96	„	A., 188, 164	32, 771
„ „	„ „	„	....	96	Limpricht	B., 9, 551	30, 302
Nitrochlorthiophenol	$SH.Cl.NO_2=1.3.6$	$C_6H_4ClO_2SN$	....	171	Beilstein and Kurbatow	B., 10, 1993; 11, 2057; A., 197, 79	34, 139; 36, 231
„	„ $=1.4.6$	„	....	212–213	„	„	„
Nitrobenzenesulphonylchloride	$NO_2.SO_2Cl=1.4$	$C_6H_4ClO_4SN$	....	Liquid	Limpricht	B., 8, 433; A., 177, 74	28, 897, 1027
„ „	„ $=1.3$	„	....	*60·5*	„	„	„
„ „	„ „	„	....	61	„	B., 18, 2174, 2175	....
„ „	„ „	„	....	61	Glutz & Schrank	J. p. [2], 2, 223	....
„ „	„ „	„	....	61	Goslich	B., 8, 354; A., 180, 93	28, 765; 29, 930
„ „	„ „	„	....	61	Claus and Moser	B., 11, 762	34, 865
„ „	„ $=1.2$	„	....	67	Limpricht	B., 8, 433; A., 177, 77	28, 897, 1028; 32, 193
„ „	„ „	„	....	67	Bahlmann	A., 186, 307	32, 611
Nitramidobenzenesulphonylchloride	$NO_2.NH_2.SO_2Cl=1.2.?$	$C_6H_5ClO_4SN_2$	....	59–60	Goslich	B., 8, 354; A., 180, 103	28, 765; 29, 930
Nitrochlorbenzenesulphonamide	$Cl.NO_2.(SO_2NH_2)=1.3.4$	„	....	158–159 u. c.	Laubenheimer	B., 15, 599	42, 953
Chlorbenzenesulphonamide	$Cl.(SO_2.NH_2)=1.4$	$C_6H_6ClO_2SN$	....	142	Beckurts & Otto	B., 11, 2064	36, 229
„	„ „	„	....	*143–144*	Goslich	A., 180, 107	29, 930
„	„ „	„	A., 143, 181	144	Otto and Brunner	A., 143, 100; 145, 326	vi., 273
„	„ $=1.3$	„	....	148	Limpricht	B., 8, 1071	29, 82
„	„ „	„	....	*148*	Goslich	A., 180, 110	29, 930
„	„ „	„	....	148	Hybbeneth	A., 221, 204	46, 72
„	„ $=1.2$	„	....	182·5	Limpricht	B., 8, 1071	29, 82
„	„ „	„	A., 180, 110	188	Bahlmann	A., 186, 325	32, 610

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ammonium chlorphenolsulphonate	$OH.Cl.SO_3NH_4$=?	$C_6H_8ClO_4SN$	....	230	Petersen and Predari	A., 157, 121	**24**, 243
Nitromethenylamidothiophenolchloride	$C_6H_3(NO_2).N{:}CCl.S$	$C_7H_3ClO_2SN_2$	....	192	Hofmann	B., 13, 10	**38**, 388
Dinitrotoluenesulphonylchloride	$Me.(NO_2)_2.SO_2Cl$=1.(?)$_2$.4	$C_7H_5ClO_6SN_2$	....	125 ; sf. 123	Schwanert	B., 10, 31 ; A., 186, 359	**32**, 471, 612
Nitrotoluenesulphonylchloride	$Me.NO_2.SO_2Cl$=1.2.6	$C_7H_6ClO_4SN$	....	36	Hesse	B., 14, 489	**40**, 596
"	" =1.4.6	"	....	44	"	B., 14, 488	"
"	" "	"	....	43–44·5	Jenssen	B., 7, 56 ; A., 172, 232	**27**, 479 ; **28**, 77
"	" =1.2.4	"	....	?	....	A., 145, 23	
"	" =1.2.5	"	....	50	Limpricht	B., 18, 2184	**48**, 1234
Chlortoluene sulphonamide	$Me.Cl.(SO_2.NH_2)$=1.2.4	$C_7H_8ClO_2SN$	....	135	Paysan	A., 221, 210	**46**, 72
" "	" =1.4.6	"	....	138	Heffter	"	**46**, 73
Ammonium sulphaminechlorbenzoate	$CO_2NH_4.Cl.(SO_2.NH_2)$=1.4.?	$C_7H_9ClO_4SN_2$	....	230–245	Cöllen and Böttinger	B., 9, 1251	**31**, 82
Dinitroxylenesulphonylchloride	$Me_2.(NO_2)_2.SO_2Cl$=1.3.6.?.4	$C_8H_7ClO_6SN_2$	....	123	Limpricht	B., 18, 2192	**48**, 1235
Nitroxylenesulphonylchloride	$Me_2.NO_2.SO_2Cl$=1.3.6.4	$C_8H_8ClO_4SN$	....	98	"	B., 18, 2174, 2191	
Chlorxylenesulphonamide	$Me_2.Cl.(SO_2.NH_2)$=1.3.4.6	$C_8H_{10}ClO_2SN$	....	195	Jacobsen	B., 18, 1761	**48**, 1053
"	" =1.2.3.6	"	....	199	Krüger	B., 18, 1757	
"	" =1.2.4.5	"	....	207	"	"	
Dinitroxylenesulphonamide	$Me_2.NO_2.(SO_2.NH_2)$=1.3.6.4	$C_8H_{10}ClO_4SN_2$	....	193	Limpricht	B., 18, 2192	**48**, 1235
Ethylic chlorphenylthiocarbamate	$Cl.(NH.CSOEt)$=1.4	$C_9H_{10}ClOSN$	....	102·5	....	A., 176, 52	
Chlorphenylcystin....	....	$C_9H_{10}ClO_2SN$	....	182–184	Jaffe	B., 12, 1097	**36**, 796
Dinitronaphthalenedisulphonylchloride	$C_{10}H_4(NO_2)_2(SO_2Cl)_2$	$C_{10}H_4Cl_2O_8S_2N_2$	....	218·5–219·5	Alén	B. S. [2], 39, 63 ; B., 16, 570	**44**, 596
Nitronaphthalenedisulphonylchloride	$C_{10}H_5(NO_2)(SO_2Cl)_2$	$C_{10}H_5Cl_2O_6S_2N$	....	140–141	"	"	"
" "	"	"	....	185–187	"	"	"
Nitronaphthalenesulphonylchloride	$NO_2.SO_2Cl=a_1a_2$	$C_{10}H_6ClO_4SN$	....	113	Cleve	B. S. [2], 24, 510 ; B., 10, 1723	**34**, 153
"	" =?	"	B., 10, 1723	125·5	"	B. S. [2], 26, 446	**34**, 154
"	" =?	"	....	169	"	B. S. [2], 29, 414 ; B., 12, 1714	**34**, 676 ; **38**, 47
Dichlornaphthalene-β-sulphonamide	$C_{10}H_5Cl_2.(SO_2.NH_2)$	$C_{10}H_7Cl_2O_2SN$	....	245 d.	Widmann	B., 12, 966	**36**, 722
Dichlornaphthalene-a-sulphonamide	"	"	....	250 d.	"	B., 12, 2233	**38**, 168
Chlorphenylmercapturic acid	....	$C_{11}H_{12}ClO_3SN$	....	153–154	Jaffe	B., 12, 1096	**36**, 796
Dinitrodichlorphenyl sulphide	$S(C_6H_3Cl.NO_2)_2$=1.4.6	$C_{12}H_6Cl_2O_4SN_2$	....	149–150	Beilstein and Kurbatow	B., 10, 1994; 11, 2056 ; A., 197, 79	**34**, 139 ; **36**, 231
Dinitrodiphenyldisulphonylchloride	$(.C_6H_3.NO_2.SO_2Cl)_2$	$C_{12}H_6Cl_2O_8S_2N_2$	....	166	Gabriel and Dambergis	B., 13, 1411	**38**, 890
Azobenzenedisulphonyl chloride	$N_2[C_6H_3.(SO_2Cl)_2]_2$	$C_{12}H_8Cl_4O_8S_4N_2$	....	58	Reiche	A., 203, 71	**38**, 806
Nitrodiphenyldisulphonylchloride	$C_6H_4(SO_2Cl).C_6H_3(NO_2).SO_2Cl$	$C_{12}H_7Cl_2O_6S_2N$	....	130–131	Gabriel and Dambergis	B., 13, 1411	**38**, 890
Dichlorazobenzenesulphonylchloride	$C_6H_4Cl.N_2.C_6H_3Cl.SO_2Cl$ =1.4 ; 1.4.?	$C_{12}H_7Cl_3O_2SN_2$	....	161	Calm	B., 15, 2559	**44**, 341
Hydroxyazobenzenetrisulphonylchloride	$C_6H_4(SO_2Cl).N_2.C_6H_2(OH)(SO_2Cl)_2$=1.4 ; 1.4.(?)$_2$	$C_{12}H_7Cl_3O_7S_3N_2$	....	217–220	Limpricht	B., 15, 1297 ; A., 215, 235	**42**, 1075
Nitrodiphenylsulphonylchloride	$C_6H_4(NO_2).C_6H_4.SO_2Cl$ =(1.4)$_2$	$C_{12}H_8ClO_4SN$	....	178	Gabriel and Dambergis	B., 13, 1409	**38**, 890
Azobenzenedisulphonylchloride	$N_2(C_6H_4.SO_2Cl)_2$=1.3 ; 1.4	$C_{12}H_8Cl_2O_4S_2N_2$	....	120	Rodatz	A., 215, 215	**44**, 478

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Azobenzenedisulphonyl-chloride	$N_2(C_6H_4.SO_2Cl)_2$=1.3 ; 1.4	$C_{12}H_8Cl_2O_4S_2N_2$	....	*123–125*	Limpricht	B., 14, 1358	**42**, 517
"	" =(1.3)$_2$	"	....	143	Janovsky	M. C., 3, 243	**42**, 834
"	" "	"	....	145	Claus and Moser	B., 11, 763	**34**, 865
"	" "	"	....	*166*	Mahrenholz	A., 202, 335	**38**, 804
"	" "	"	....	166–167	Limpricht	B., 11, 1046	**34**, 722
"	" "	"	....	166	"	B., 18, 1469	
"	" =(1.4)$_2$	"	....	170	Janovsky	M. C., 3, 242	**42**, 834
"	" "	"	....	215–218	Laar	B., 14, 1932	
"	" "	"	....	220–222	Limpricht	B., 14, 1375	**42**, 517
"	" "	"	....	*222*	Laar	B., 14, 1930	**42**, 195
"	" "	"	....	222	Bauer	A., 229, 353	**48**, 1141
"	" "	"	....	222	Limpricht	B., 18, 1474	
"	" "	"	....	222	Rodatz	A., 215, 214	**44**, 478
Azoxybenzenedisulphonyl-chloride	$ON_2(C_6H_4.SO_2Cl)_2$=(1.3)$_2$	$C_{12}H_8Cl_2O_5S_2N_2$	....	138	Limpricht	B., 11, 1045	**34**, 722
"	" "	"	....	138	Brunnemann	A., 202, 343	**38**, 807
Azobenzenesulphonyl-chloride	$Ph.N_2.C_6H_4.SO_2Cl$=1.4	$C_{12}H_9ClO_2SN_2$	....	82	Janovsky	M. C., 3, 238	**42**, 834
Azophenolbenzene-sulphonylchloride	$HO.C_6H_4.N_2.C_6H_4.SO_2Cl$ =1.4; 1.?	$C_{12}H_9ClO_3SN_2$	....	122	Limpricht	B., 15, 1296	**42**, 1075
"	" "	"	....	?	Rodatz	A., 215, 231	
Phenamidobenzene-sulphonylchloride	$NHPh.SO_2Cl$=1.4	$C_{12}H_{10}ClO_2SN$	....	104	Wallach & Huth	B., 9, 426	
Chlorbenzenesulphon-anilide	$Cl.(SO_2.NHPh)$=1.4	"	J. [1879], 417	120–121	"	B., 9, 425	
Hydrazobenzenesulphonyl-chloride	$(.NH.C_6H_4.SO_2Cl)_2$=(1.3)$_2$	$C_{12}H_{11}ClO_2SN_2$	....	a. 240	Limpricht	B., 11, 1048	**34**, 723
Amidodiphenylsulphone +HCl	$Ph.SO_2.C_6H_4.NH_3Cl$	$C_{12}H_{12}ClO_2SN$	....	90	Gencke	A., 100, 207	vi., 277
Thiodiphenylcarbamic chloride	$C_{12}H_8SN.COCl$	$C_{13}H_8ClOSN$	....	167·5	Fraenkel	B., 18, 1846	**48**, 1130
Benzenesulphamidobenz-enylchloride	$Ph.SO_2.N:CClPh$	$C_{13}H_{10}ClO_2SN$	A., 108, 214	73–75	Wolkoff	B., 5, 140	**25**, 413
"	"	"	....	79–80	Wallach and Gossmann	B., 11, 754; A., 214, 212	**44**, 48
Nitroanthraquinone-sulphonylchloride	$C_{14}H_6O_2.NO_2.SO_2Cl$	$C_{14}H_6ClO_6SN$	....	194	Claus	B., 15, 1516	**42**, 1105
Azotoluenetetrasulphonyl-chloride	$N_2[C_6H_2Me(SO_2Cl)_2]_2$	$C_{14}H_{10}Cl_4O_8S_4N_2$	....	91	Perl	C. C. [1884], 468	**48**, 391
Nitrotoluenesulphobenz-amide chloride	$Me.NO_2.(SO_2.NClBz)$=1.4.6	$C_{14}H_{11}ClO_4SN_2$	....	122–123	Wolkoff	Z. C. [2], 6, 422	vii., 1169
"	" "	"	....	125	"	B., 5, 141	**25**, 413
Toluenesulphobenzamide chloride	$Me.(SO_2.NClBz)$=1.4	$C_{14}H_{12}ClO_2SN$	....	100	"	Z. C. [2], 6, 577; B., 5, 140	**25**, 413; vii., 1168
Azobenzyldisulphonyl-chloride	$N_2(CH_2.C_6H_4.SO_2Cl)_2$=(1.4)$_2$	$C_{14}H_{12}Cl_2O_4S_2N_2$	....	149	Mohr	A., 221, 215	**46**, 70
Azotoluenedisulphonyl-chloride	$N_2(C_6H_3Me.SO_2Cl)_2$=(4.1.2)$_2$	"	....	194	Neale	A., 203, 81	**38**, 807
"	" =(2.1.3 or 5)$_2$	"	....	218	Kornatzki	A., 221, 179	**46**, 71
"	" =(2.1.4)$_2$	"	....	220	Neale	A., 203, 76	**38**, 806
Phenyltaurineanilide +HCl	$NHPh.(CH_2)_2.SO_2.NHPh$ +HCl	$C_{14}H_{17}ClO_2SN_2$	....	169 u.c.	Leymann	B., 18, 870	**48**, 786
Chloranisidinethiocarb-amide	$CS(NH.C_6H_3Cl.OMe)_2$ =(1.?.2)$_2$	$C_{15}H_{14}Cl_2O_2SN_3$	....	152·5	Herold	B., 15, 1687	**42**, 1287
Azoxylenedisulphonyl-chloride	$N_2.(C_6H_2Me_2.SO_2Cl)_2$	$C_{16}H_{16}Cl_2O_4S_2N_2$	....	86	Limpricht	B., 18, 2191	
Di(phenylsulphonethyl-amine)+HCl	$NH_2Cl(C_2H_4.SO_2.Ph)_2$	$C_{16}H_{20}ClO_4S_2N$	....	192	Otto and Damköhler	J. p. [2], 30, 321	**48**, 537
α-Naphthalenesulphobenz-amide chloride	$C_{10}H_7(SO_2.NClBz)$	$C_{17}H_{12}ClO_2SN$	....	92–94	Wolkoff	B., 5, 142	**25**, 414

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Oxytriseleniocarbamide +2HCl	....	$C_3H_{14}Cl_2OSe_3N_6$	d. 100	crystalline	Verneuil	C. R., 99, 1154	**48**, 377
?	$POCl_2.NH.CCl_2.CO_2Et$	$C_4H_6Cl_4O_3NP$	....	128–130	Wallach	B., 8, 303; A., 184, 17	**28**, 884; **32**, 183
?	$POCl_2.NEt.CCl_2.CHCl_2$	$C_4H_6Cl_6ONP$	140–150	Liquid	Wallach and Kamenski	B., 13, 517; A., 214, 224	**38**, 547
?	$EtO.CH_2.CN+PCl_3$	$C_4H_7Cl_3ONP$	100–105	Liquid	Henry	B., 6, 261	**28**, 879
$SbCl_3$ and quinine....	$SbCl_3.C_{20}H_{24}O_2N_2.2HCl$	$C_{20}H_{26}Cl_6O_2N_2Sb$	....	80	Godeffroy	A. P. [3], 9, 434	**32**, 366
Nitrobromiodobenzene	$Br.I.NO_2$=1.3.2(?)	$C_6H_3BrIO_2N$	....	?	Körner	J. [1875], 330	
„	„ =1.3.4	„	J. [1875], 329	83·5	„	G. I., 4, 305	**29**, 222
„	„ =1.4.5	„	„	90·4	„	„	**29**, 221
„	„ =1.2.5	„	„	105	„	„	„
„	„ =1.3.6	„	„	126·8	„	„	**29**, 222
Nitrobromiodophenol	$OH.Br.I.NO_2$=1.4.2.6	$C_6H_3BrIO_3N$	J. [1877], 549	104·2	„	J. [1867], 617	**vi.**, 915
„	„ =1.2.6.4	„	....	crystalline	„	„	„
Nitrodibromdiiodotoluene	$Me.Br_2.I_2.NO_2$=1.3.5.2.4.6	$C_7H_3Br_2I_2O_2N$	....	129	Wroblewsky	B., 9, 1055; A., 192, 212	**30**, 511
Nitrodibromiodotoluene	$Me.Br_2.I.NO_2$=1.3.5.4.6	$C_7H_4Br_2IO_2N$	....	69	„	„	**30**, 511; **34**, 978
Nitrobromiodotoluene	$Me.Br.I.NO_2$=1.2.3.?	$C_7H_5BrIO_2N$	....	86	„	Z. C., 2, 7, 240	**24**, 713
„	„ =1.3.2.?	„	....	solid	„	A., 168, 165	**27**, 52
„	„ =1.3.4.5(?)	„	....	118	„	A., 168, 160	**27**, 51
Dibromiodoacettoluide	$Me.Br_2.I.NHAc$=1.(?)$_2$.2	$C_9H_8Br_2ION$	....	121	„	A., 192, 211	
Bromtarconium methiodide	$C_{11}H_6BrO_3N.MeI$	$C_{12}H_{11}BrIO_3N$	....	203–204 d.	Gerichten	A., 212, 171	**42**, 870
Bromtarconium ethiodide	$C_{11}H_8BrO_3N.EtI$	$C_{13}H_{13}BrIO_3N$	....	205–206 d.	„	A., 212, 173	„
Dibromthiohydantoin	$NH.CS.NH.CBr_2.CO$	$C_3H_2Br_2OSN_2$	B., 13, 789	d.w.m. 130–140	Mülder	B., 8, 1263	
Dibrom-β-thiophene-sulphonamide	$C_4SHBr_2(SO_2.NH_2)$	$C_4H_3Br_2O_2S_2N$	....	146·5–147	Langer	B., 18, 553	**48**, 765
Dibrom-β-thiophenedi-sulphonamide	$C_4SBr_2(SO_2.NH_2)_2$	$C_4H_4Br_2O_2S_3N_2$	....	a., 270 p.d.	„	B., 18, 557	**48**, 766
Dibrom-β-thiophenamide	$C_4SHBr_2(CO.NH_2)$	$C_5H_3Br_2OSN$	identical ?	165·5	Bonz	B., 18, 2313	**48**, 1206
„ -a- „	„	„	„	167	„	„	„
Nitrotribrombenzene-sulphonic acid	$Br_3.NO_2.SO_3H$=1.3.5.2.4	$C_6H_2Br_3O_5SN$	....	100+	Reinke	A., 186, 278	**32**, 463
„ „	„ „	„	....	124–125	Knuth	A., 186, 296	
„ „	„ „	„	....	202	Limpricht	A., 191, 196, 215	**34**, 496
„ „	„ =1.2.4.3.5	„	....	140–141	Spiegelberg	A., 197, 284	
„ „	„ „	„	$+3H_2O$	125	„	„	
„ „	„ =1.2.3.4.5	„	....	?	....	A., 181, 40	
Dinitrotribrombenzene-sulphonamide	$Br_3.(NO_2)_2.(SO_2NH_2)$ =1.3.5.2.6.4	$C_6H_2Br_3O_6SN_3$	....	255–260 d.	Limpricht	A., 191, 243	**34**, 497
Nitrotetrabrombenzene-sulphonamide	$Br_4.NO_2.(SO_2NH_2)$ =1.2.4.5.3.6	$C_6H_2Br_4O_4SN_2$	....	a. 300	Limpricht and Beckurts	B., 9, 478; A., 181, 209	**30**, 202, 305
„ „	„ =1.2.3.5.4.6	„	....	crystalline	Limpricht	A., 191, 203	**34**, 495
„ „	„ =1.2.3.4.5.6	„	....	crystalline	Spiegelberg	A., 197, 302	**36**, 802
Pentabrombenzene-sulphonamide	$C_6Br_5.(SO_2NH_2)$	$C_6H_2Br_5O_2SN$	A., 181, 228	d.w.m. 250	Limpricht and Beckurts	B., 9, 479; A., 191, 205	**30**, 202, 305; **34**, 49'
„ „	„	„	....	nf. 290	Spiegelberg	A., 197, 312	**36**, 803
Nitrodibrombenzenesulphonic acid	$Br_2.NO_2.SO_3H$=1.3.4.6	$C_6H_3Br_2O_5SN$	....	200	Limpricht	A., 191, 235	
Nitrotribrombenzene sulphonamide	$Br_3.NO_2.(SO_2NH_2)$=1.3.5.2.4	$C_6H_3Br_3O_4SN_2$	....	175; sf. 175	„	B., 9, 477; A., 191, 198, 218	**30**, 201; **34**, 494
„ „	„ „	„	....	sf. 175	Knuth	A., 186, 297	**32**, 467
„ „	„ =1.3.5.2.4	„	....	d.w.m. 210	Reinke	A., 186, 280	**32**, 463
„ „	„ =1.2.3.4.5	„	....	202	Limpricht	B., 8, 1068	**29**, 82
„ „	„ „	„	....	202	Lenz	A., 181, 43	**30**, 200

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrotribrombenzene sulphonamide	$Br_3.NO_2.(SO_2NH_2)$=1.2.4.3.5	$C_6H_3Br_3O_4SN_2$	....	260	Spiegelberg	A., 197, 288	**36**, 800
Tetrabrombenzenesulphon-amide	$Br_4.(SO_2NH_2)$=1.2.3.4.5	$C_6H_3Br_4O_2SN$	....	181	Lenz	A., 181, 46	**30**, 200
„ „	„ „	„	....	?	Spiegelberg	A., 197, 295	**36**, 801
„ „	„ =1.2.4.5.6	„	....	a. 250	Limpricht and Beckurts	B., 9, 477 ; A., 181, 219	**30**, 201, 305
„ „	„ =1.2.3.5.6	„	A., 191, 201, 227	d.w.m. 250 ; melts on Pt	Reinke	A., 186, 271	**32**, 464
„ „	„ „	„	....	a. 300	Knuth	A., 186, 300	**32**, 468
Amidotetrabrombenzene-sulphonic acid	$Br_4.NH_2.SO_3H$=1.2.3.4.5.6	$C_6H_3Br_4O_3SN$	....	d. 130	Spiegelberg	A., 197, 302	**36**, 802
„ „	„ =1.2.3.5.6.4	„	A., 191, 204	?	Limpricht	A., 181, 223	
Nitrobrombenzenesulph-onic acid	$Br.NO_2.SO_3H$=1.4.6	$C_6H_4BrO_5SN$	$+2H_2O$	130–135 d.	Limpricht and Reinke	B., 10, 319 ; A., 186, 316	**32**, 192, 609
Nitrodibrombenzenesulph-onamide	$Br_2.NO_2.(SO_2NH_2)$=1.4.(?)$_2$	$C_6H_4Br_2O_4SN_2$	....	178	Borns	A., 187, 362	**32**, 769
„ „	„ =1.2.4	„	....	210–211	Limpricht and Goslich	B., 9, 1862 ; A., 186, 154	**31**, 595 ; **32**, 461
„ „	„ =1.3.4.6	„	....	nf. 240	Limpricht	A., 191, 237	**34**, 496
„ „	„ =1.3.4.5	„	....	d.w.m. 300	„	B., 8, 1067	**29**, 81
„ „	„ „	„	....	*d.w.m. 300*	Lenz	A., 181, 36	**30**, 199
Tribrombenzenesulphon-amide	$Br_3.(SO_2NH_2)$=1.2.?.4	$C_6H_4Br_3O_2SN$	....	152	Limpricht and Goslich	B., 9, 1862 ; A., 186, 155	**31**, 596 ; **32**, 461
„ „	„ =1.(?)$_2$.2	„	....	187	Bahlmann	A., 181, 208	**30**, 306
„ „	„ =1.(?)$_2$.2	„	....	202	„	„	„
„ „	„ =1.2.3.5	„	....	210	Limpricht	B., 8, 1068	**29**, 82
„ „	„ „	„	....	210	Lenz	A., 186, 31	**30**, 199
„ „	„ =1.4.(?)$_2$	„	identical ?	d.w.m. 200	Borns	A., 187, 365	**32**, 769
„ „	„ =1.2.4.6	„	„	?	Lenz	A., 181, 40	
„ „	„ =1.3.4.6	„	....	223	Spiegelberg	A., 197, 284	**36**, 799
„ „	„ „	„	....	225	Reinke	A., 186, 289	**32**, 465
„ „	„ „	„	....	*225*	Limpricht	A., 191, 191	**34**, 493
„ „	„ „	„	....	d. 220–230	Knuth	A., 186, 304	**32**, 469
„ „	„ =1.3.5.6	„	....	d.w.m. 210–220	Reinke	A., 186, 277	**32**, 462
„ „	„ „	„	....	d.w.m. 220	Limpricht	B., 9, 550	**30**, 302
„ „	„ „	„	v. 228 d.	*d. 220*	Knuth	A., 186, 295	**32**, 467
„ „	„ „	„	....	d.w.m. 220	Limpricht	A., 191, 196, 213	**34**, 494
„ „	„ =?	„	....	nf. 260	„	B., 8, 1070	**29**, 82
„ „	„ =1.2.5.6	„	v. 228	d. 220	„	B., 9, 476	**30**, 201
Amidotribrombenzene-sulphonic acid	$NH_2.Br_3.SO_3H$=1.2.4.6.3	$C_6H_4Br_3O_3SN$	....	d.w.m. 200	Reinke	A., 186, 298	**32**, 463
Nitrobrombenzenesulph-onamide	$Br.NO_2.(SO_2NH_2)$=1.3.6	$C_6H_5BrO_4SN_2$	....	166	Limpricht	B., 18, 2186	**48**, 1234
„ „	„ =1.4.5	„	A., 186, 126	169–170	„	B., 9, 1867	**31**, 596
„ „	„ =1.2.4	„	....	176–177	Andrews	B., 13, 2129	**40**, 174
„ „	„ „	„	....	177	Goslich	A., 180, 100 ; B., 8, 353	**28**, 764 ; **29**, 929
„ „	„ =1.4.6	„	....	205	Limpricht and Bahlmann	B., 10, 320 ; A., 186, 318	**32**, 192, 609
„ „	„ =1.?.6	„	....	215	„	„	**32**, 192, 610
Dibrombenzenesulphon-amide	$Br_2.(SO_2NH_2)$=1.2.4	$C_6H_5Br_2O_2SN$	....	167 ; 170	Limpricht and Goslich	B., 9, 1859, 1861 ; A., 186, 147	**31**, 595 ; **32**, 460
„ „	„ „	„	....	175	Sachse	A., 188, 143	**32**, 752
„ „	„ „	„	....	*175*	Limpricht	A., 191, 180	**34**, 492
„ „	„ „	„	....	175	Spiegelberg	A., 197, 257	**36**, 798
„ „	„ =1.3.4	„	....	188–190	Limpricht	B., 8, 1070	**29**, 82
„ „	„ „	„	....	*190*	„	A., 191, 234	**34**, 493
„ „	„ =1.4.5	„	....	192	Limpricht and Bahlmann	B., 8, 1072 ; A., 181, 207	**29**, 82 ; **30**, 306

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibrombenzenesulphonamide	$Br_2.(SO_2NH_2)$=1.4.5	$C_6H_5Br_2O_2SN$	....	*193*	Limpricht and Bahlmann	B., 9, 1862, 1868; A., 186, 132, 314	**31**, 596; **32**, 460, 610
„ „	„ „	„	....	193	Sachse	A., 188, 143	**32**, 752
„ „	„ „	„	....	193	Borns	A., 187, 350	**32**, 768
„ „	„ =1.3.5	„	....	201·5	Limpricht	B., 8, 1066	**29**, 81
„ „	„ „	„	....	203	Lenz	A., 181, 28	**30**, 199
„ „	„ „	„	...	203	Limpricht	A., 181, 202	**30**, 307
„ „	„ „	„	....	203	Sachse	A., 188, 143	**32**, 752
„ „	„ =1.2.3	„	....	215	„	A., 188, 155	„
„ „	„ =?	„	....	252	Limpricht and Bahlmann	B., 9, 1862; A., 181, 207	**30**, 306; **31**, 596
Amidodibrombenzenesulphonic acid	$NH_2.Br_2.SO_3H$=1.2.4.5	$C_6H_5Br_2O_3SN$	....	d.w.m. 260	Reinke	A., 186, 286	**32**, 465
„ „	„ „	„	....	d.w.m.	Knuth	A., 186, 301	**32**, 468
Brombenzenesulphonamide	$Br.(SO_2NH_2)$=1.3	$C_6H_6BrO_2SN$	....	149; 156	Limpricht	B., 7, 1352	**28**, 268
„	„ „	„	....	*153–154*	Berndsen	A., 177, 95	**28**, 1029
„	„ „	„	....	154	Limpricht	A., 186, 134	**32**, 459
„	„ =1.4	„	....	*160–161*	Goslich	B., 8, 352; A., 180, 98	**28**, 764; **29**, 929
„	„ „	„	....	166	Nölting	B., 7, 1310; 8, 597	**28**, 264
„	„ =1.2	„	....	180	Limpricht	B., 7, 1352	**28**, 268
„	„ „	„	....	*186*	Berndsen	A., 177, 102	**28**, 1030
„	„ „	„	....	186	Bahlmann	A., 181, 203, 307	**30**, 306, 611
„	„ =?	„	....	225–230	Limpricht	B., 14, 1361	**42**, 518
„	„ =?	„	....	252	Bahlmann	A., 181, 207	
Amidobrombenzenesulphonic acid	$NH_2.Br.SO_3H$=1.2.5	$C_6H_6BrO_3SN$	....	nf. 170	Andrews	B., 13, 2126	**40**, 174
Dibrombenzenedisulphonamide	$Br_2.(SO_2NH_2)_2$=1.4.5.?	$C_6H_6Br_2O_4S_2N_2$	....	solid	Borns	A., 187, 367	**32**, 770
Brombenzenedisulphonamide	$Br.(SO_2NH_2)_2$=1.3.2	$C_6H_7BrO_4S_2N_2$	....	210	Zander	A., 198, 29	**38**, 125
„ „	„ =1.3.4	„	....	*238*	„	A., 198, 11	**38**, 123
„ „	„ „	„	....	239	Heinzelmann	A., 192, 222	**34**, 410
„ „	„ =1.2.6	„	....	245	„	A., 188, 179	**32**, 773
Amidodibrombenzenedisulphonamide	$NH_2.Br_2.(SO_2.NH_2)_2$ =?.1.4.(?)$_2$	$C_6H_7Br_2O_4S_2N_3$	....	206	Borns	A., 187, 350	**32**, 770
β-Sulphaminebrombenzoic acid	$Br.(SO_2NH_2).CO_2H$ or $Br.SO_3H.(CONH_2)$=1.?.4	$C_7H_6BrO_4SN$	....	229–230	Böttinger	B., 9, 1252; A., 191, 20	**31**, 82; **34**, 730
a- „ „	„ „	„	....	252–254	„	B., 9, 1252	**31**, 82
a- „ „	„ „	„	....	262 d.	„	A., 191, 23	**34**, 730
Nitrobromtoluenesulphonamide	$Me.Br.NO_2.(SO_2NH_2)$ =1.2.?.4	$C_7H_7BrO_4SN_2$	....	nf. 200	Hayduck	A., 174, 348	**28**, 461
Disulphaminebrombenzoic acid	$CO_2H.Br.(SO_2.NH_2)_2$ =1.4.(?)$_2$	$C_7H_7BrO_6S_2N_2$	....	a. 250	Kornatzki	A., 221, 191	**46**, 70
Bromtoluenesulphonamide	$Me.Br.(SO_2NH_2)$=1.2.?	$C_7H_8BrO_2SN$	....	133–134	Hübner and Retschy	Z. C. [2], 7, 618	**25**, 697; vii., 1173
„	„ „	„	....	*133–134*	Hübner and Post	A., 169, 41	**27**, 59
„	„ „	„	....	134–137	Limpricht	B., 7, 1392	**28**, 368
„	„ „	„	fr. $CHCl_3$	134–136	Pagel	A., 176, 296	**28**, 898
„	„ „	„	fr. H_2O	135–136	„	„	„
„	„ „	„	fr. Et_2O	136–137	„	„	„
„	„ „	„	fr. EtOH	137	„	„	„
„	„ =1.4.5 (?)	„	....	134	Limpricht and Pechmann	B., 7, 720; A., 173, 214	**27**, 991; **28**, 80
„	„ =1.3.5	„	....	*138–139*	Neville and Winther	B., 13, 1944	
„	„ =1.2.3	„	....	*146·3–147·2*	„	B., 13, 1943	**37**, 628
„	„ =1.4.5 (?)	„	....	147	Limpricht	B., 7, 719	**27**, 991
„	„ =1.2.4	„	....	*151*	Limpricht and Hayduck	B., 7, 554; A., 172, 207	**27**, 905, 1095

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Bromtoluenesulphonamide	$Me.Br.(SO_2NH_2)=1.4.5$	$C_7H_8BrO_2SN$	....	151·5	Hübner & Retschy	Z. C. [2], 7, 618	25, 697
"	" "	"	....	151–152	Hübner and Post	Z. C. [2], 6, 390; A., 169, 9	27, 56; vii., 1171
"	" "	"	....	?	Pechmann	A., 173, 209	
"	" "	"	....	*151·5–152·3*	Neville & Winther	B., 13, 1947	37, 631
"	" =1.2.?	"	....	*156–157*	Limpricht and Gever	B., 6, 1010; A., 169, 385	27, 74, 68
"	" =1.3.6	"	....	162–165	Limpricht	B., 7, 451	27, 902
"	" "	"	....	*162–165*	Weckwurth	A., 172, 199	27, 1094
"	" =1.4.6	"	....	*166–167*	Hübner and Post	Z. C. [2], 6, 390; A., 169, 7, 22	27, 57; vii., 1172
"	" "	"	....	166·5	Hübner & Retschy	Z. C. [2], 7, 618	25, 697
"	" "	"	fr. H_2O	165·5	Jenssen	A., 172, 238	28, 78
"	" "	"	fr. EtOH	167–168	"	"	"
"	" =?	"	....	260–267	Hübner & Terry	Z. C. [2], 7, 232	25, 1006
"	" "	"	....	d.w.m. 230	Hayduck	A., 177, 60	28, 1031
β-Ammonium sulphamine-brombenzoate	$Br.(SO_2NH_2).CO_2NH_4$ or $Br.SO_3NH_4.(CONH_2)=1.?.4$	$C_7H_9BrO_4SN_2$	....	125–126	Böttinger	B., 9, 1252	31, 82
α- " "	" "	"	....	203	"	"	"
Bromtoluenedisulphonamide	$Me.Br.(SO_2NH_2)_2=1.2.3.5$	$C_7H_9BrO_4S_2N_2$	....	236–238	Limpricht	B., 18, 2177	48, 1233
" "	" =1.4(2.6 or 3.5)	"	....	240	"	B., 18, 2179	"
" "	" $=1.4(?)_2$	"	....	a. 260	Kornatzki	A., 221, 191	46, 70
Dibromxylenesulphonamide	$Me_2.Br_2.(SO_2NH_2)=1.3.4.6.2$	$C_8H_9Br_2O_2SN$	....	220	Jacobsen and Weinberg	B., 11, 1535	36, 62
Bromxylenesulphonamide	$Me_2.Br.(SO_2NH_2)=1.3.6.2$	$C_8H_{10}BrO_2SN$	....	161	"	B., 11, 1536	"
"	" =1.3.6.4	"	....	194	"	B., 11, 1063	34, 725
"	" "	"	....	194	Limpricht	B., 18, 2188	
"	" =1.4.5.?	"	....	206	Jacobsen	B., 17, 2379	48, 144
"	" =1.2.4.5	"	....	213	"	B., 17, 2374	48, 143
Bromphenylcystoin	....	C_9H_8BrOSN	....	152–153	....	Z. P. C., 5, 332	
Fr. bromphenylmercapturic acid	....	$C_9H_8BrO_2SN$	....	181	Baumann	B., 12, 809	36, 804
Ethylic bromphenylthiocarbamate	$Br.(NH.CS.OEt)=1.4$	$C_9H_{10}BrOSN$	....	105	Dennstedt	B., 13, 231	38, 634
Bromphenylcystin....	$Br.[S.CMe(NH_2).CO_2H]$	$C_9H_{10}BrO_2SN$	....	180–182	Baumann	Z. P. C., 5, 317	42, 756
" "	"	"	....	180–184	Jaffe	B., 12, 1096	36, 796
Ethylic β-sulphaminebrombenzoate	$Br.(SO_2NH_2).CO_2Et$ or $Br.(SO_3Et).(CONH_2)=1.?.4$	$C_9H_{10}BrO_4SN$	....	128	Böttinger	A., 191, 22	34, 730
Acetylphenylthiocarbamide + HBr	$NHAc.CS.NH_2BrPh$	$C_9H_{11}BrOSN_2$	....	270 d.	Miquel	A. C. [5], 11, 289	32, 870
Dibrom-β-naphthalenesulphonamide	$C_{10}H_5Br_2.SO_2NH_2$	$C_{10}H_7Br_2O_2SN$	....	237–238	Jolin	B. S. [2], 28, 517	32, 902
Bromnaphthalenesulphonamide	$Br.(SO_2NH_2)=\alpha_1\alpha_2$	$C_{10}H_8BrO_2SN$	....	*190*	"	B. S. [2], 28, 516	"
" "	" "	"	....	195	....	A., 147, 186	
" "	" =?	"	....	205	Jolin	B. S. [2], 28, 516	
Bromcymenesulphonamide	$Me.Pr^{\alpha}.Br.(SO_2NH_2)=?$	$C_{10}H_{14}BrO_2SN$	....	191	Paterno	G. I., 11, 124	40, 594
"	" =1.4.2.?	"	....	197 c.	Remsen and Day	A. C. J., 5, 149	46, 456
p-Bromphenylmercapturic acid	B., 15, 1732	$C_{11}H_{12}BrO_3SN$	....	152	Baumann and Preusse	B., 12, 806; Z. P. C., 5, 311	36, 803
" "	....	"	....	152	Jaffe	B., 12, 1094	36, 796
Di(nitrobromhydroxyphenyl)sulphone	$SO_2(C_6H_2Br.OH.NO_2)_2$	$C_{12}H_6Br_2O_8SN_2$	....	284–285	Annaheim	B., 9, 660	30, 296
Tetrabromazobenzenedisulphonamide	$N_2(C_6H_2Br_2.SO_2NH_2)_2=(1.2.4.5)_2$	$C_{12}H_8Br_4O_4S_2N_4$	....	nf.	....	A., 215, 220	
" "	" $=(1.2.6.4)_2$	"	....	nf.	....	A., 215, 224	
Brombenzenesulphonanilide	$Br.(SO_2.NHPh)=1.4$	$C_{12}H_{10}BrO_2SN$	....	119	Nölting	B., 8, 597	
Dibromazotoluenedisulphonamide	$N_2(C_6H_2Me.Br.SO_2NH_2)_2=(4.1.?.2)_2$	$C_{14}H_{14}Br_2O_4S_2N_4$	....	260	Kornatzki	A., 221, 179	46, 71

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Dibromanisidine sulphate	$OMe.Br_2.NH_2=1.(?)_2.2$	$C_{14}H_{16}Br_4O_6SN_2$	....	177 p.d.	Staedel & Damm	B., 11, 1750; A., 217, 55	**36**, 239; **44**, 663
Tri(amidodibromphenyl)-phosphine oxide	$OP(C_6H_2Br_2.NH_2)_3$	$C_{18}H_{12}Br_6ON_3P$	....	205 d.	Michaelis and Soden	A., 229, 334	**48**, 1136
Phosphoric hexabromanilide	$OP(NH.C_6H_3Br_2)_3$	"	....	252	"	"	**48**, 1134
Nitroiodothiophene	$C_4SH_2I.NO_2$	$C_4H_2IO_2SN$	....	74	Kreis	B., 17, 2074	**46**, 1314
Iodobenzensulphonamide....	$I.(SO_2NH_2)=1.2$	$C_6H_6IO_2SN$	....	170	Limpricht and Bahlmann	B., 10, 321; A., 186, 326	**32**, 193, 611
"	" $=1.4$	"	....	183	Lenz	B., 10, 1136	**32**, 770
Methylpropaminethiocyanate+HI	$CH_2(SCN).CMe:NMe.HI$	$C_6H_9IOSN_2$	....	159·5	Tscherniac and Norton	A. C. J., 5, 227	**46**, 665
Iodotoluenesulphonamide	$Me.I.(SO_2NH_2)=1.4.?$	$C_7H_8IO_2SN$	....	178–179	Glassner	B., 8, 561	**28**, 897
Iodotoluenedisulphonamide	$Me.I.(SO_2NH_2)_2=?$	$C_7H_9IO_4S_2N_2$	....	130–132	Limpricht	B., 18, 2179	**48**, 1233
Di(nitroiodohydroxyphenyl)sulphone	$SO_2(C_6H_2I.OH.NO_2)_2$	$C_{12}H_6I_2O_8SN_2$	....	294–295	Annaheim	B., 9, 661	**30**, 297
Cinchoninesulphatoperiodide	$8C_{20}H_{24}ON_2+6H_2SO_4+6HI+I_{10}$	$C_{160}H_{210}I_{16}O_{32}S_6N_{16}$	$+12H_2O$	140–145	Jörgensen	J. p. [2], 14, 356	**31**, 714
Trimethylic phosphanilidosulphonic acid	$SO_3Me.[NH.PO(OMe)_2]=1.4$	$C_9H_{14}O_6SNP$	...	114	Laar	J. p. [2], 20, 251	
Triethylic phosphanilidosulphonic acid	$SO_3Et.[NH.PO(OEt)_2]=1.4$	$C_{12}H_{20}O_6SNP$	....	102	"	"	
Dinitrotribrombenzenesulphonylchloride	$SO_2Cl.Br_3.(NO_2)_2=1.2.4.6.3.5$	$C_6ClBr_3O_6SN_2$	....	203 d.	Limpricht	A., 191, 175	**34**, 497
Nitrotetrabrombenzenesulphonylchloride	$SO_2Cl.Br_4.NO_2=1.2.3.4.6.5$	$C_6ClBr_4O_4SN$	....	146–147	Limpricht and Beckurts	B., 9, 478; A., 181, 201	**30**, 202, 305
"	"	"	....	147·5	Limpricht	A., 191, 203	**34**, 495
"	" $=1.2.3.4.5.6$	"	....	172–173	Spiegelberg	A., 197, 301	**36**, 801, 802

VI.—COMPOUNDS CONTAINING SEVEN AND EIGHT ELEMENTS.

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Nitrotribrombenzene-sulphonylchloride	$Br_3.NO_2.SO_2Cl$=1.2.3.4.5	$C_6HClBr_3O_4SN$	....	116	Limpricht & Lenz	B., 8, 1068; A., 181, 43	29, 82; 30, 200
„ „	„ =1.2.4.3.5	„	....	143	Spiegelberg	A., 197, 288	36, 800
„ „	„ =1.3.5.2.4	„	....	142	Limpricht	B., 9, 477	30, 201
„ „	„ „	„	brown 126	142	Reinke	A., 186, 280	32, 467
„ „	„ „	„	....	*144–145*	Limpricht	A., 191, 198, 218	34, 494
„ „	„ „	„	....	d.w.m. 180	Reinke	A., 186, 297	32, 463
Nitrodibrombenzene-sulphonylchloride	$Br_2.NO_2.SO_2Cl$=1.4.5.?	$C_6H_2ClBr_2O_4SN$	....	s. 0.	Limpricht and Borns	B., 8, 1072; A., 187, 362	29, 83; 32, 769
„ „	„ =1.2.4.?	„	....	98–99	Limpricht and Goslich	B., 9, 1862; A., 186, 154	31, 595; 32, 461
„ „	„ =1.3.4.6	„	....	115·5	Limpricht	A., 191, 237	34, 496
„ „	„ =1.3.4.5	„	....	121; sf. 118	Limpricht and Lenz	B., 8, 1067; A., 181, 36; 191, 193	29, 81; 30, 199, 308
Nitrobrombenzenesulphonyl-chloride	$Br.NO_2.SO_2Cl$=1.2.4	$C_6H_3ClBrO_4SN$	....	55	Goslich	B., 8, 353	28, 764
„ „	„ „	„	....	*56–57*	„	A., 180, 100	29, 929
„ „	„ „	„	....	sf. 40–50	Andrews	B., 13, 2128	....
„ „	„ =1.3.6	„	....	75	Limpricht	B., 18, 2186	48, 1234
„ „	„ =1.4.5	„	....	83	Limpricht and Thomas	B., 9, 1867; A., 186, 126	31, 596; 32, 459
„ „	„ =1.4.6	„	....	92	Limpricht and Bahlmann	B., 10, 319; A., 186, 318	32, 192, 609
„ „	„ =1.?.6	„	....	97	„	„	32, 192, 610
Amidodibrombenzenedi-sulphonylchloride	$NH_2.Br_2.(SO_2Cl)_2$=?.1.4.$(?)_2$	$C_6H_3Cl_2Br_2O_4S_2N$	....	148	Borns	A., 187, 350	32, 770
Nitrobromtoluenesulphonyl-chloride	$Me.Br.NO_2.SO_2Cl$=1.2.?.4	$C_7H_5ClBrO_4SN$	....	nf. 220	Hayduck	A., 174, 343	28, 461
Hexabromazobenzenedi-sulphonylchloride	$N_2(C_6HBr_3.SO_2Cl)_2$ =$(1.2.4.6.3)_2$	$C_{12}H_2Cl_2Br_6O_4S_2N_2$	....	222-224	Rodatz	A., 215, 227	44, 479
Tetrabromazobenzenedi-sulphonylchloride	$N_2(C_6H_2Br_2.SO_2Cl)_2$ =$(1.2.4.5)_2$	$C_{12}H_4Cl_2Br_4O_4S_2N_2$	....	232–233	„	A., 215, 220	„
„ „	„ =$(1.2.6.4)_2$	„	....	258–262	„	A., 215, 224	„
Tetrabromazotoluenedi-sulphonylchloride	$N_2(C_6HMeBr_2.SO_2Cl)_2$ =$[2.1.(?)_2.4]_2$	$C_{14}H_8Cl_2Br_4O_4S_2N_2$	....	243 d.	Kornatzki	A., 221, 179	46, 72
Dibromazotoluenedi-sulphonylchloride	$N_2(C_6H_2Me.Br.SO_2Cl)_2$ =$(4.1.?.2)_2$	$C_{14}H_{10}Cl_2Br_2O_4S_2N_2$	....	226	„	„	46, 71
Phosphanilidosulphonyl-chloride	$C_6H_4.SO_2Cl.(NH.POCl_2)$	$C_6H_6Cl_3O_3SNP$	....	102 or 158	Laar	J. p. [2], 20, 250	38, 321
Benzenesulphondichlor-phosphamide	$Ph.SO_2.(NH.PCl_2)$	$C_6H_6Cl_2O_2SNP$	....	130–131	Wichelhaus	Z. C. [2], 6, 54; B., 2, 503	vi., 932
Ethylic chloride of dibrom-phosphanilidosulphonic acid	....	$C_{10}H_{13}ClBr_2O_5SNP$	....	170	Laar	J. p. [2], 20, 258	....

VII.—COMPOUNDS CONTAINING SPECIAL ELEMENTS.

	Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ag.	Silver amylglycollate	$C_5H_{11}.O.CH_2.CO_2Ag$	$C_7H_{13}O_3Ag$	....	110	Siemens	J. [1861], 449	ii., 918
	„ hydroxy-?-ate	....	$C_8H_{15}O_3Ag$	....	120	Fossek	M. C., 4, 663	46, 38
	„ triethoxybenzoate	$(OEt)_3.CO_2Ag=1.2.3.4$	$C_{13}H_{17}O_6Ag$	....	d. 130	Will & Albrecht	B., 17, 2102	46, 1335
	„ „	„ $=1.2.3.5$	„	....	200 d.	„	B., 17, 2100	„
	„ benzylsalicylate	$(O.CH_2Ph).CO_2Ag=1.2$	$C_{14}H_{11}O_3Ag$	....	100	Perkin	6, 122	vi., 1007
	„ melissate	$C_{29}H_{59}.CO_2Ag$	$C_{30}H_{69}O_2Ag$	....	94–95	Pieverling	A., 183, 344	31, 587
	Tetramethylammonium cyanide+AgCN	$NMe_4.CN+AgCN$	$C_6H_{12}N_3Ag$	....	211–212 u.c.	Thompson	B., 16, 2341	46, 287
	Silver amarine	....	$C_{21}H_{17}N_2Ag$	....	218 u.c.	Claus & Kohlstock	B., 18, 1850	48, 1132
	Silver α-dichlorpropionate	$CH_3.CCl_2.CO_2Ag$	$C_3H_3Cl_2O_2Ag$	....	d. 60	Beckurts & Otto	B., 18, 233	48, 507
	Silver picramate	$C_6H_2.NH_2.(NO_2)_2.OAg$	$C_6H_4O_6N_3Ag$	....	165	Girard	C. R., 36, 421	iv., 407
	Nitrotoluidine+$AgNO_3$	$C_6H_3Me.NH_2.NO_2+AgNO_3$	$C_7H_8O_5N_3Ag$	....	131–132	Mixter	A. C. J., 1, 239	40, 1130
	Toluidine+$AgNO_3$	$Me.NH_2=1.4$	$C_7H_9O_3N_2Ag$	....	101 d.	„	„	„
	?	....	$C_{13}H_{16}O_4N_2Ag_2$	....	74–76	Golubeff	B., 7, 1651	28, 1203
	Lepidine+$AgNO_3$ ...	$(C_{10}H_9N)_2+AgNO_3$	$C_{20}H_{18}O_3N_3Ag$	....	b. 100	Hoogewerff	B., 13, 1640	40, 110
	m-Nitraniline+$AgNO_3$	$4(C_6H_4.NO_2.NH_2)+AgNO_3$	$C_{24}H_{24}O_{11}N_9Ag$	....	124–125	Mixter	A. C. J., 1, 239	40, 1130
	Diamarine+$AgNO_3$	$2(C_{21}H_{18}N_2)+AgNO_3$	$C_{42}H_{36}O_3N_6Ag$	$+H_2O$	175 u.c.	Claus & Kohlstock	B., 18, 1850	48, 1132
	Tetranitroethylenedibromide+Ag_2O	$C_2Br_2(NO_2)_4+Ag_2O$	$C_2Br_2O_9N_4Ag_2$	d. 100	crystalline	Villiers	B. S. [2], 43, 322	48, 1044
	Thiocarbamide+AgCl	$2CS(NH_2)_2+AgCl$	$C_2H_8ClS_2N_4Ag$	....	175	Baumann	B., 8, 28	28, 632
Al.	Aluminium trimethide	$AlMe_3$	C_3H_9Al	130	0+	Buckton & Odling	P. R., 14, 19; As., 4, 112	iii., 983
	„ triethide (A., 114, 242; 109, 207)	$AlEt_3$	$C_6H_{15}Al$	194	Liquid −18	„	„	„
	„ tripropide	$AlPr^{\alpha}_3$	$C_9H_{21}Al$	240–245	Liquid	Cahours	C. R., 76, 133	26, 366; vii., 1014
	„ „ (J. [1873], 518)	„	„	248–252	Liquid	„	B. S. [2], 20, 190	
	Benzene+Al_2Cl_6 (B., 11, 2152)	$Al_2Cl_6+6C_6H_6$	$C_{36}H_{36}Cl_6Al_2$	....	3	Gustavson	B. S. [2], 31, 71	36, 308, 461
	Toluene+Al_2Cl_6	$Al_2Cl_6+6C_6H_5Me$	$C_{42}H_{48}Cl_6Al_2$	....	Liquid −17	„	B., 11, 2152	36, 308
	Butylene+$AlBr_3$ (B., 14, 2620)	$AlBr_3+C_4H_8$	$C_4H_8Br_3Al$	....	Liquid −15	Gustavson	C. C. [1881], 1353	42, 27, 374
	Aluminium ethylate	$(EtO)_3Al.Al(OEt)_3$	$C_{12}H_{30}O_6Al_2$	360	115	Gladstone & Tribe	....	29, 161
	„ „	„	„	....	*130*	„	....	39, 11
	„ triethylic acetoacetate	$Al(CHAc.CO_2Et)_3$	$C_{18}H_{27}O_9Al$	....	76	Conrad	A., 188, 269	34, 26
	„ propylate	$(Pr^{\alpha}O)_3Al.Al(OPr^{\alpha})_3$	$C_{18}H_{42}O_6Al_2$	....	60	Gladstone & Tribe	....	39, 12
	„ isobutylate	$(Bu^{\beta}O)_3Al.Al(OBu^{\beta})_3$	$C_{24}H_{64}O_6Al_2$	....	140	„	....	39, 11
	„ amylate	$(C_5H_{11}.O)_3Al.Al(O.C_6H_{11})_3$	$C_{30}H_{66}O_6Al_2$	....	70	„	....	39, 12
Au.	β-Collidine aurochloride	$C_5NH_2Me_3+HAuCl_4$	$C_8H_{12}Cl_4Au$	....	112	Hantzsch	A., 215, 1	44, 84
	Ethylmethylsulphine ethaurochloride	$SEtMe+EtAuCl_4$	$C_6H_{13}Cl_4SAu$	....	178	Krüger	J. p. [2], 14, 193	31, 187

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Diethylsulphine methaurochloride	$SEt_2+MeAuCl_4$	$C_5H_{13}Cl_4SAu$	....	192 d.	Krüger	J. p. [2], 14, 193	**31**, 186
Trimethylamine aurochloride	$NMe_3+HAuCl_4$	$C_3H_{10}Cl_4NAu$	....	220	Zay	G. I., 13, 420	**46**, 286
Butylamine aurochloride....	$NH_2Bu+HAuCl_4$	$C_4H_{12}Cl_4NAu$	....	100	Wurtz	A., 93, 124	**v.**, 737
Pyridine methaurochloride	$C_5NH_5+MeAuCl_4$	$C_6H_8Cl_4NAu$	....	252–253	Ostermeyer	B., 18, 592	**48**, 813
Pipecoline aurochloride	$C_6H_{13}N+HAuCl_4$	$C_6H_{14}Cl_4NAu$	....	130–131	Hesekiel	B., 18, 913	**48**, 812
Vinyldiethylamine aurochloride	$NEt_2C_2H_3+HAuCl_4$	„	....	138–140	Ladenburg	B., 15, 1148	**42**, 1194
Lutidine aurochloride	$N.Me_2=1.2.6$	$C_7H_{10}Cl_4NAu$	....	119	Epstein	B., 18, 883	**48**, 815
γ-Ethylpyridine aurochloride	$N.Et=1.4$	„	....	120	Ladenburg	B., 16, 2061	**44**, 1152
γ-Isopropylpyridine aurochloride	$N.Pr^{\beta}=1.4$	$C_8H_{12}Cl_4NAu$	....	79	„	B., 17, 1122	**46**, 1048
Pseudotropine aurochloride	$C_8H_{15}N+HAuCl_4$	$C_8H_{16}Cl_4NAu$	....	198	Ladenburg & Roth	B., 17, 151	**46**, 761
Copellidine „	$C_8H_{17}N+HAuCl_4$	$C_8H_{18}Cl_4NAu$	....	105	Dürkopf	B., 18, 923	**48**, 817
β-Methylquinoline „	$C_{10}H_9N+HAuCl_4$	$C_{10}H_{10}Cl_4NAu$	....	145	Döbner & Miller	B., 18, 1642	
Quinoline methaurochloride	$C_9H_7N+MeAuCl_4$	„	....	205	Ostermeyer	B., 18, 594	**48**, 814
p-Isopropylpyridine methiodide aurochloride	$C_5NH_4Pr^{\beta}+MeI+HAuCl_4$	$C_9H_{15}Cl_4INAu$	....	128	Ladenburg and Schrader	B., 17, 1122	**46**, 1048
? aurochloride	$C_5H_{11}O_2N+HAuCl_4$	$C_5H_{12}Cl_4O_2NAu$	$+H_2O$?	b. 100	Salkowski	B., 16, 1193	**44**, 925
Hydroxypicoline „	$C_6H_6(OH)N+HAuCl_4$	$C_6H_{10}Cl_4ONAu$	....	154	Etard	C. R., 92, 460	**40**, 1046
Methyldiacetonamine aurochloride	$C_7H_{15}ON+HAuCl_4$	$C_7H_{16}Cl_4ONAu$	....	a. 90	Götschmann	A., 197, 27	**36**, 1036
Piperethylalkamine aurochloride	„	„	....	129	Ladenburg	C. R., 93, 338	**40**, 1158
? aurochloride	$C_8H_{15}ON+HAuCl_4$	$C_8H_{16}Cl_4ONAu$	....	198	„	A., 206, 274	**40**, 447
Tropine „	„	„	....	210–212	Schmidt	B., 13, 373	**38**, 482
Valerobetaïne „	$C_5H_{11}O_2.NMe_3Cl.AuCl_3$	$C_8H_{20}Cl_4O_2NAu$	....	163	Körner & Menozzi	G. I., 13, 351	**46**, 425
Apoatropine „	$C_{17}H_{21}O_2N+HAuCl_4$	$C_{17}H_{22}Cl_4O_2NAu$	....	106–108	Pesci	G. I. [1882], 59	**42**, 635
Pseudoatropine „	$C_{17}H_{23}O_3N+HAuCl_4$	$C_{17}H_{24}Cl_4O_3NAu$	....	112–114	Ladenburg	A., 217, 87	**44**, 671
Atropine „	„	„	....	135	Ladenburg and Meyer	B., 13, 380	**38**, 482
„ „	„	„	....	*135*	Ladenburg	B., 13, 110	**38**, 411
„ „ (J. [1850])	„	„	....	135	Planta	A., 74, 252	
„ aurochloride	„	„	....	135–137	Ladenburg	C. R., 90, 874	**38**, 561
„ „	„	„	....	137–139	Pesci	G. I. [1882], 59	**42**, 634
Hyoscyamine „	„	„	....	159	Ladenburg	B., 13, 110	**38**, 411
„ „	„	„	....	159	Ladenburg and Meyer	B., 13, 380	**38**, 482
Hyoscine „ [B., 13, 1549]	„	„	....	196–198	Ladenburg	A., 206, 274	**40**, 57, 446
Methylphthalimide aurochloride	$(C_9H_9ON)_2+HAuCl_4$	$C_{18}H_{19}Cl_4O_2N_2Au$	....	195–196 d.	Græbe and Pictet	B., 17, 1174	**46**, 1019
Cinchonine aurochloride ...	$C_{19}H_{22}ON_2+HAuCl_4$	$C_{19}H_{23}Cl_4ON_2Au$	....	100+	Hesse	A., 122, 226	**vi.**, 464
B. Boronglycide	$B.CH_2.CH.CH_2$	C_3H_5B	110–120	Liquid	Councler	J. p. [2], 18, 371	**36**, 622
Trimethylboride .... [A., 124, 144]	BMe_3	C_3H_9B	b. −16	....	Frankland	P. T. [1862], 176	**iii.**, 986
Triethylboride [A., 124, 135]	BEt_3	$C_6H_{15}B$	95	....	„	P. T. [1862], 167	**ii.**, 526
„	„	„	95–97	....	Frankland and Duppa	J., 13, 386	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Fluoborethylene (B., 12, 1586)	$CH_2 \vdots CH.BF_2$	$C_2H_3F_2B$	124–125	Liquid	Landolph	B. S. [2], 31, 503; C. R., 86, 671	**34**, 483
Ethyleneborofluoride	$C_2H_4+BF_3$	$C_2H_4F_3B$	125–127	....	"	C. R., 85, 40	**32**, 864
Phenylborochloride ...	$Ph.BCl_2$	$C_6H_5Cl_2B$	175	0	Michaelis and Becker	B., 13, 59; 15, 180	**38**, 395
Tolylborochloride	$C_6H_4Me.BCl_2=1.4$	$C_7H_7Cl_2B$	....	27	"	B., 15, 185	**42**, 732
Acetoneboric acid	$C_3H_6O+B_2O_2H_2$	$C_3H_8O_3B_2$	50	L.f.m.	Landolph	C. R., 89, 173; B., 12, 1582	**36**, 915
Trimethylic borate	$B(OMe)_3$	$C_3H_9O_3B$	*65*	Solidifies	Schiff	As., 5, 186	
" " ...	"	"	72	Liquid	Ebelmann and Bouquet	A. C. [3], 17, 59; A., 60, 252	**i.**, 650; **vi.**, 363
Ethylic ethylborate	$BEt(OH).OEt$	$C_4H_{11}O_2B$	J. [1876], 469	s.b. 8	Frankland	P. R., 25, 165	**30**, 620
Methylic diethylic borate	$B(OMe)(OEt)_2$	$C_5H_{13}O_3B$	100–105	....	Schiff	As., 5, 197	
Phenylboric oxide.... ...	$Ph.B:O$	C_6H_5OB	a. 360	190	Michaelis and Becker	B., 15, 184	**42**, 732
Phenylboric acid	$Ph.B(OH)_2$	$C_6H_7O_2B$	....	204	"	B., 15, 181	**42**, 731
Ethylic diethylborate	$BEt_2.OEt$	$C_6H_{15}OB$	102–103	Liquid	Frankland	P. R., 25, 165; J. [1876], 469	**30**, 619
Diethylic ethylborate	$BEt(OEt)_2$	$C_6H_{15}O_2B$	*125*	A., 124, 139	"	P. T. [1862], 167	**ii.**, 527
" "	"	"	95–125 p.d.	Liquid	"	P. R., 25, 165	**30**, 618
Triethylic borate	$B(OEt)_3$	$C_6H_{15}O_3B$	119	A., 60, 252	Ebelmann and Bouquet	J. P., 38, 215; J. [1856], 574	**i.**, 650
" "	"	"	119	....	Councler	B., 11, 1107	**34**, 775
" "	"	"	*120* (760)	....	Schiff	As., 5, 161	**vi.**, 361
" "	"	"	121	....	Bowmann	P. M. [3], 29, 548	
Triethylene borate	$B(O.C_2H_4.OH)_3$	$C_6H_{15}O_6B_2$	B., 11, 1106	161·7	Councler	J. p. [2], 18, 392	**34**, 775
Tolylboric acid	$C_6H_4Me.B(OH)_2=1.4$	$C_7H_9O_2B$	....	240	Michaelis and Becker	B., 15, 185	**42**, 732
Triallylic borate (B., 9, 486)	$B(O.C_3H_5)_3$	$C_9H_{15}O_3B$	168–175	Liquid	Councler	J. p. [2], 18, 376	**30**, 395
Diethylic isoamylic borate	$B(OEt)_2.OC_5H_{11}$	$C_9H_{21}O_3B$	173–175	Liquid	Schiff	As., 5, 193	**vi.**, 364
Tripropylic borate....	$B(OPr^{\alpha})_3$	"	*172–175*	Liquid	Cahours	C. R., 76, 1383; J. [1874], 498	**26**, 872; **vii.**, 1013
" "	"	"	175	....	"	C. C., 4, 482	
" "	"	"	174·5	....	Councler	B., 11, 1107	**34**, 775
Triisopropylic borate	$B(OPr^{\beta})_3$	"	140 c.	Liquid	"	J. p. [2], 18, 389; B., 11, 1107	"
Diethylic phenylborate	$Ph.B(OEt)_2$	$C_{10}H_{15}O_2B$	176	Liquid	Michaelis and Becker	B., 15, 184	**42**, 732
Diamylic tetraborate	$B_4O_5(OC_5H_{11})_2$	$C_{10}H_{22}O_7B_4$	a. 300	....	Ebelmann	A. C. [3], 16, 139	**i.**, 649
Triisobutylic borate	$B(OBu^{\beta})_3$	$C_{12}H_{27}O_3B$	212	Liquid	Councler	J. p. [2], 18, 382; B., 10, 1656	**34**, 21
Ethylic diisoamylic borate	$B(O.C_5H_{11})_2.OEt$	"	210–215	Liquid	Schiff	As., 5, 193	**vi.**, 363
Pentaethylic ethyldiborate	$B_2Et(OEt)_5$	$C_{12}H_{30}O_5B$	112	Liquid	Frankland	P. R., 25, 165; J. [1876], 468	**30**, 618
Triisoamylic borate	$B(O.C_5H_{11})_3$	$C_{15}H_{33}O_3B$	254 (760)	....	Schiff	As., 5, 189	**vi.**, 363
" "	"	"	*270–275*	Liquid	Ebelmann and Bouquet	A. C. [3], 17, 61	**i.**, 649
" "	"	"	272–275	....	Councler	B., 11, 1107	
Cetylic metaborate	$(C_{15}H_{13}.O).B:O$	$C_{16}H_{13}O_2B$	....	58	Schiff	As., 5, 198	**vi.**, 364
Tetraphenylic diborate	$B_2O(OPh)_4$	$C_{24}H_{20}O_5B_2$	a. 300	....	....	....	**v.**, 365
Trimethylboride ammonia	$BMe_3.NH_3$	$C_3H_{12}NB$	110	56	Frankland	P. T. [1862], 176	**iii.**, 986
Fluoboracetone	....	$C_3H_5F_2OB$	130–140	....	Landolph	C. R., 86, 1463	**34**, 774
α- " (B., 16, 962)	$C_3H_6O.3HF.B_4O_4$	$C_3H_9F_3O_5B_4$	120	Liquid −15	"	C. R., 96, 580	**44**, 655
α- "	"	"	120–122	Liquid	"	C. R., 89, 173; B. 12, 1580	**36**, 915

	Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
	β-Fluoboracetone	$C_3H_6O.3HF.B_4O_4$	$C_3H_9F_3O_5B_4$	90–92	36	Landolph	C. R., 89, 173; B. 12, 1580	36, 915
	Fluoborcamphor	J. [1878], 640	$C_{10}H_{16}F_3OB$	....	70	„	C. R., 86, 539	34, 586
Ba.	Barium acetate	$(CH_3.CO_2)_2Ba$	$C_4H_6O_4Ba$	....	abt. 450	Tilden and Shenstone	P. T., 1884	
	„ œnanthylate	$(C_6H_{13}.CO_2)_2Ba$	$C_{14}H_{26}O_4Ba$	....	238–239 d.	Mehlis	A., 185, 358	34, 135
	„ isoxylate	$Me_2.CO_2H=1.4.5$	$C_{18}H_{18}O_4Ba$	$+4H_2O$	100	Jacobsen	B., 14, 2111	42, 187
	„ benzylphenoxypropionate	$(CH_2Ph.C_6H_4.O.CHMe.CO_2)_2Ba$	$C_{32}H_{30}O_6Ba$	$+H_2O$	100 nearly	Mazzara	G. I. [1882], 261	42, 1072
	„ o-naphthoylbenzoate	$(C_{10}H_7.CO.C_6H_4.CO_2)_2Ba$	$C_{36}H_{22}O_6Ba$	....	160	Ador and Crafts	C. R., 88, 1355	36, 940
	„ ricinostearolate ...	....	$C_{36}H_{62}O_6Ba$	....	135	Ulrich	B. S. [2], 9, 225	vi., 997
	„ lithofellate	....	$C_{40}H_{70}O_8Ba$	....	185	Roster	G. I., 9, 364	38, 131
	„ lithobilate	$(C_{30}H_{57}O_6)_2Ba$	$C_{60}H_{114}O_{12}Ba$	....	109	„	G. I., 9, 462	38, 270
	Barium isethionate	....	$C_4H_{10}O_8S_2Ba$	....	320	....	....	iii., 413
	„ phenylsulphonacetate	$(Ph.SO_2.CH_2.CO_2)_2Ba$	$C_{16}H_{14}O_8S_2Ba$	....	d. 110	Otto	B., 18, 158	48, 537
	Barium aceturate	$(NHAc.CH_2.CO_2)_2Ba$	$C_8H_{12}O_6N_2Ba$	$+5H_2O$	200	Curtius	B., 17, 1670	46, 1307
	„ „	„	„	„	d. 250–260	„	„	„
	„ hydrogen dinitroresorcinol	$[C_6H_2(NO_2)_2.OH.O]_2Ba$	$C_{12}H_6O_{12}N_4Ba$	....	212·5	Typke	B., 16, 554	44, 917
Be.	Beryllium diethide	$BeEt_2$	$C_4H_{10}Be$	185–188	Liquid	Cahours	C. R., 76, 1383; J. [1873], 520	26, 871; vii., 1014
	„ dipropide	$BePr_2$	$C_6H_{14}Be$	244–246	Liquid —17	„	„	„
Ca.	Calcium succinate....	$(CH_2)_2:(CO_2)_2Ca$	$C_4H_4O_4Ca$	....	180	Goldschmidt	M. C., 3, 136	42, 602
	„ levulate	$(C_4H_7O.CO_2)_2Ca$	$C_{10}H_{14}O_6Ca$	$+2H_2O$	abt. 100	Grote & Tollens	B., 7, 1375	28, 250
	„ valerate	$(C_4H_9.CO_2)_2Ca$	$C_{10}H_{20}O_6Ca$	....	150 d.	....	....	v., 977
	„ phenoxyacetate	$(PhO.CH_2.CO_2)_2Ca$	$C_{16}H_{14}O_6Ca$	$+3\frac{1}{2}H_2O$	120	Fritzsche	J. p. [2], 20, 267	38, 319
Cd.	Cadmium diethide....	$CdEt_2$	$C_4H_{10}Cd$	200 ?	Liquid	....	J. [1856], 553	
	Ethyltetrahydroquinoline cadmiochloride	$(C_9H_{10}EtN.HCl)_2CdCl_2$	$C_{22}H_{32}Cl_4N_2Cd$	....	105	Claus and Stegelitz	B., 17, 1330	46, 1051
	Ethylglyoxaline cadmiomethiodide	$(C_3H_3N:NEtMeI)_2CdI_2$	$C_{12}H_{22}I_4N_4Cd$	....	151–152	Wallach	B., 16, 535	44, 911
	Pipeline cadmioiodide	$(C_6H_{13}N.HI)_2CdI_2$	$C_{12}H_{28}I_4N_2Cd$	$+H_2O$	144–145	Hesekiel	B., 18, 912	48, 812
	Hydro-α-isopropylpyridine cadmioiodide	$(C_5H_6Pr^{\beta}N.HI)_2CdI_2$	$C_{16}H_{28}I_4N_2Cd$	....	132–133	Ladenburg	B., 18, 1589	48, 992
Cr.	p-Phenylpyridine dichromate	$C_5H_4PhN+H_2Cr_2O_7$	$C_{11}H_{11}O_7NCr_2$	....	155 p.d.	Hantzsch	B., 17, 1519	46, 1194
	Lutidine dichromate	$(C_7H_9N)_2+H_2Cr_2O_7$	$C_{14}H_{20}O_7N_2Cr_2$	....	92	Epstein	B., 18, 883	48, 815
	Butylacridine chromate	$C_{17}H_{17}N+H_2CrO_4$	$C_{17}H_{19}O_4NCr$	....	a. 100 d.	Bernthsen and Traube	B., 17, 1509	46, 1183
	Phenylmethylhydroxypyrimidine dichromate	$(C_{11}H_{10}ON_2)_2+H_2Cr_2O_7$	$C_{22}H_{22}O_9N_4Cr_2$	$+5H_2O$	177	Pinner	B., 18, 761	48, 752
	Benzylamarine dichromate	$(C_{23}H_{24}N_2)_2+H_2CrO_4$	$C_{56}H_{60}O_4N_4Cr$	....	90	Claus and Kohlstock	B., 18, 1852	48, 1133
	Chloriodoquinoline chromate	$C_9H_7ClIN+H_2CrO_4$	$C_9H_9ClIO_4NCr$	....	160	Ostermeyer	C. C. [1884], 937	48, 673

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Cu. Copper hydrosorbate	$(CH_2Me.CH_2.CH:CH.CO_2)_2Cu$	$C_{12}H_{18}O_4Cu$	p. d. 100	180–185	Barringer and Fittig	A., 161, 307	vii., 1092
„ ethylic acetoacetate	$Cu(CHAc.CO_2Et)_2$	$C_{12}H_{18}O_6Cu$	....	182	Conrad	A., 188, 269	34, 26
„ amylglycollate	$(C_5H_{11}.O.CH_2.CO_2)_2Cu$	$C_{14}H_{26}O_6Cu$	....	110	Siemens	J. [1861], 449	ii., 918
„ phenylglyoxalate....	$(Ph.CO.CO_2)_2Cu$	$C_{16}H_{10}O_6Cu$	p.d. 140–150	160–170 d.	Claisen	B. 12, 628	36, 648
„ ethylic acetylacetoacetate	$(C_8H_{11}O_4)_2Cu$	$C_{16}H_{22}O_8Cu$	....	148	James	....	47, 7
„ pelargonate	$(C_8H_{17}.CO_2)_2Cu$	$C_{18}H_{34}O_4Cu$	....	258	Giesecke	Z. C. [2], 6, 429	vii., 898
„ ethylic benzylacetoacetate	$(C_{13}H_{13}O_4)_2Cu$	$C_{26}H_{26}O_8Cu$	....	180–190 d.	James	....	47, 11
„ diheptylacetate	$[(C_7H_{15})_2CH.CO_2]_2Cu$	$C_{32}H_{62}O_4Cu$	....	227	Jourdan	A., 200	38, 314
„ oleate	$(C_{17}H_{33}.CO_2)_2Cu$	$C_{36}H_{66}O_4Cu$	....	100	Chevreul	Recherches, 205	iv., 194
Copper o-brombenzoate	$(C_6H_4Br.CO_2)_2Cu$	$C_{14}H_{10}Br_2O_5Cu$	$+H_2O$	257 d.	Rhalis	A., 198, 99	38, 119
Phenylthiocarbaniside + CuCl	$3CSN_2H_3Ph.CuCl$	$C_{21}H_{24}ClS_3N_6Cu$	....	144–145 d.	Rathke	B., 17, 297	46, 1018
Fe. Iron urushate	$(C_{14}H_{17}O_2)_3Fe.3(C_{14}H_{18}O_2)$	$C_{84}H_{105}O_{12}Fe$	....	105–110	Yoshida	....	43, 477
„ „	$(C_{14}H_{17}O_2)_3Fe.9(C_{14}H_{18}O_2)$	$C_{168}H_{213}O_{24}Fe$	$+2H_2O$	105–110	„	....	„
Ethylic ferronitrososulphide	$Et_2Fe_2(NO)_4S_2$	$C_4H_{10}O_4S_2N_4Fe_2$	....	78	Pavel	B., 15, 2609	44, 298
Hg. Mercuric dimethide (A., 85, 361; 92, 79; 130, 108; Z. C. [1870], 25)	$HgMe_2$	C_2H_6Hg	93–96	Liquid	Buckton	P. R., 9, 91; A., 108, 103	iii., 927
Mercuric diethide (A., 109, 218; 112, 220)	$HgEt_2$	$C_4H_{10}Hg$	158–160	Liquid	„	A., 108, 103	iii., 925
„ diethide (A., 130, 109, 125)	„	„	*159*	Z. C. [1866], 376	Frankland and Duppa	17, 415	„
„ dipropide	$HgPr^{\alpha}_2$	$C_6H_{14}Hg$	189–191	Liquid	Cahours	C. R., 76, 133; J. [1873], 517	26, 366; vii., 1014
„ diisobutide	$HgBu^{\beta}_2$	$C_8H_{18}Hg$	205–207	Liquid	„	C. R., 77, 1403; J. [1873], 521	27, 349
„ diisoamide	$Hg(C_5H_{11})_2$	$C_{10}H_{22}Hg$	....	....	....	A., 130, 111	
„ diphenide (A., 154, 93; 194, 148)	$HgPh_2$	$C_{12}H_{10}Hg$	a. 300 d.	120	Dreher and Otto	Z. C. [2], 4, 685; B., 1, 234	vi., 819
„ dibenzide	$Hg(CH_2Ph)_2$	$C_{14}H_{14}Hg$	....	a. 200	Campisi	C. R., 61, 86	vi., 821
„ ditolide	$Hg(C_6H_4Me)_2=(1.2)_2$	„	....	107	Michaelis & Panek	A., 212, 203	42, 959
„ „ (B., 7, 389)	„ „	„	....	107	Ladenburg	A., 173, 165	
„ „	„ „	„	....	107	Coste & Michaelis	B., 11, 1889	
„ „ (A., 154, 171)	„ $=(1.4)_2$	„	....	235	Dreher and Otto	Z. C. [2], 4, 685	vi., 826
„ „	„ „	„	....	223–225	„	B., 1, 235	
„ „	„ „	„	....	235	Coste & Michaelis	B., 11, 1889	36, 163
„ „ (A., 173, 163)	„ „	„	....	*238*	Ladenburg	B., 7, 389	27, 803
„ dixylide	$Hg(C_6H_3Me_2)_2=(3.4.1)_2$	$C_{16}H_{18}Hg$	....	123	Jacobsen	B., 14, 2112	42, 187
„ „	„ $=(4.2.1)_2$	„	....	150	„	B., 17, 2374	48, 144
„ dioctide	$Hg(C_8H_{17})_2$	$C_{16}H_{34}Hg$	d. 200	Liquid	Eichler	B., 12, 1880	38, 229
„ diisopropylphenide	$Hg(C_6H_4Pr^{\beta})_2=(1.4)_2$	$C_{18}H_{22}Hg$	....	109	Meyer & Muller	B., 15, 1906	44, 64
„ dinaphthide	$Hg(C_{10}H_7)_2$	$C_{20}H_{14}Hg$	A., 154, 188	243	Otto and Möries	A., 147, 166	vi., 819
„ dicymide	$Hg(C_6H_3MePr^{\alpha})_2$	$C_{20}H_{26}Hg$	....	134	Paterno and Colombo	B., 10, 1749	34, 139
Mercuric methylchloride....	HgClMe	CH_3ClHg	....	170	Seidel	J. p. [2], 29, 134	46, 1135
„ ethylchloride	HgClEt	C_2H_5ClHg	A., 111, 60	100	Dünhaupt	C. C. [1854], 263	iii., 925

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Mercuric ethylchloride	HgClEt	C_2H_5ClHg	....	*190*	Seidel	J. p. [2], 29, 134	**46**, 1135
" isoamylchloride	$HgCl.C_5H_{11}$	$C_5H_{11}ClHg$	A., 130, 114	86	Frankland and Duppa	17, 415	iii., 924
" phenylchloride....	HgClPh	C_6H_5ClHg	....	245	Heumann	B., 16, 1626	**44**, 1051
" " (A., 154, 113)	"	"	....	*250*	Michaelis and Becker	B., 15, 182	**42**, 732
" phenylchloride....	"	"	....	251–252	Otto	J. p. [2], 29, 136	**46**, 1135
" tolylchloride	$HgCl.C_6H_4Me=1.4$	C_7H_7ClHg	B., 15, 185	187–188	....	J. p. [2], 1, 185	
Mercuric ethylbromide	HgBrEt	C_2H_5BrHg	....	....	....	A., 92, 375	
" phenylbromide....	HgBrPh	C_6H_5BrHg	....	275	....	J. p. [2], 1, 186	
" "	"	"	....	291	Otto	A., 154, 111	vi., 820
" naphthylbromide	$HgBr.C_{10}H_7$	$C_{10}H_7BrHg$	....	195–196	"	A., 154, 190	
Mercuric methyleneiodide	$CH_2I.HgI$	CH_2I_2Hg	....	108–109	Sakurai	B., 13, 2088	**39**, 485
Mercurous "	$CH_2I.Hg.HgI$	$CH_2I_2Hg_2$	....	230 p.d.	"	"	**39**, 486
Mercuric methyliodide	HgIMe	CH_3IHg	....	143	"	"	"
" "	"	"	....	143	Frankland	A., 85, 363	iii., 926
" allyliodide	$HgI.C_3H_5$	C_3H_5IHg	B., 4, 670	135	Zinin	A., 96, 393; 140, 180; As., 3, 262	i., 142; iii., 923
" isoamyliodide	$HgI.C_5H_{11}$	$C_5H_{11}IHg$	A., 130, 113	122	Frankland and Duppa	17, 415	iii., 924
" phenyliodide	HgIPh	C_6H_5IHg	A., 154, 109	265–266	Dreher and Otto	Z. C. [2], 4, 685	vi., 820
" tolyliodide	$HgI.C_6H_4Me=1.4$	C_7H_7IHg	A., 154, 173	220	"	"	vi., 821
" dinaphthyliodide	$C_{10}H_7.I.Hg.I.C_{10}H_7$	$C_{20}H_{14}I_2Hg$	....	185	Otto and Möries	A., 147, 164; 154, 189	vi., 819
Methylmercuric acetate	$CH_3.CO_2.Hg.Me$	$C_3H_6O_2Hg$	....	142–143	Otto	Z. C. [2], 6, 25	vi., 818
Ethylmercuric acetate	$CH_3.CO_2.Hg.Et$	$C_4H_8O_2Hg$	....	178	"	"	"
Mercuric phenylic acid	....	$C_6H_6O_2Hg$	....	251–252	"	A., 154, 126	
Phenylmercuric formate	$H.CO_2.Hg.Ph$	$C_7H_6O_2Hg$	....	171	"	A., 154, 118	
Mercurous amylglycollate	$C_5H_{11}.O.CH_2.CO_2Hg$	$C_7H_{13}O_3Hg$	....	170 p.d.	Siemens	J. [1861], 449	ii., 918
Phenylmercuric acetate ...	$CH_3.CO_2.Hg.Ph$	$C_8H_8O_2Hg$	....	140	Dreher and Otto	Z. C. [2], 4, 685; 6, 9; A., 154, 117	vi., 820
" "	"	"	....	148–149	....	J. p. [2], 1, 179, 186	
Octylmercuric hydrate	$C_8H_{17}.Hg.OH$	$C_8H_{18}OHg$	....	75	Eichler	B., 12, 1882	**38**, 229
Phenylmercuric propionate	$CH_3.CH_2.CO_2.Hg.Ph$	$C_9H_{10}O_2Hg$	....	165–166	Otto	A., 154, 118	
Tolylmercuric acetate	$CH_3.CO_2.Hg.C_6H_4Me=1.4$	"	....	153	Dreher and Otto	A., 173, 174; Z. C. [2], 4, 685; 6, 9	vi., 821
Naphthylmercuric acetate	$CH_3.CO_2.Hg.C_{10}H_7$	$C_{12}H_{10}O_2Hg$	A., 154, 191	154	Otto and Möries	A., 147, 175	vi., 819
" butyrate	$C_3H_7.CO_2.Hg.C_{10}H_7$	$C_{14}H_{14}O_2Hg$	....	200	Otto	A., 154, 193	
Mercuric dimethyleugenol	$Hg[C_9H_7(OMe)_2]_2$	$C_{22}H_{26}O_4Hg$	....	140	Wassermann	C. R., 88, 1206	**36**, 790
Mercuric thioethylate	$Hg(SEt)_2$	$C_4H_{10}S_2Hg$	....	76	Otto	B., 13, 1290	**38**, 796
" "	"	"	....	77	"	B., 15, 125	
" "	"	"	....	82	Will	B., 15, 339	
" "	"	"	....	85	Debus	A., 72, 18	ii., 548
" "	"	"	....	86	....	Handw.	
" thiopropylate	$Hg(SPr^a)_2$	$C_6H_{14}S_2Hg$	....	68	Römer	B., 6, 785	**26**, 1118; vii., 1014
" thiobutylate ...	$Hg(S.CHMeEt)_2$	$C_8H_{18}S_2Hg$	....	189	Reymann	B., 7, 1288	**28**, 141
" thioisoamylate	$Hg(S.C_5H_{11})_2$	$C_{10}H_{22}S_2Hg$	....	Liquid	....	....	i., 206
" thiotolide	$Hg(S.C_6H_4Me)_2=(1.3)_2$	$C_{14}H_{14}S_2Hg$	....	100	Hübner and Wallach	Z. C. [2], 5, 500	vi., 291
" "	" "	"	....	123–126	"	"	"
" "	" $=(1.4)_2$	"	....	crystalline	Märcker	A., 136, 79	"
" thymothiocymene	$Hg(S.C_6H_3MePr^a)_2=(3.1.4)_2$	$C_{20}H_{26}S_2Hg$	....	abt. 78	Fittica	A., 172, 303	**28**, 60
" camphorthiocymene	" $=(2.1.4)_2$	"	....	109	"	"	"

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Phenylmercuric cyanide	Ph.Hg.CN	C_7H_5NHg	....	203–204	....	J. p. [2], 1, 181	
Tetramethylammonium cyanide+$HgCy_2$	$(NMe_4)Cy+HgCy_2$	$C_7H_{12}N_4Hg$	....	275 u.c.	Claus and Merck	B., 16, 2743	**46**, 338
Mercuric methylenechloriodide	$Cl.CH_2.HgI$	CH_2ClIHg	....	129	Sakurai	....	**41**, 361
Chloraldehyde+Hg_2Cl_2	$CH_2Cl.COH+Hg_2Cl_2$	$C_2H_3Cl_3OHg_2$	....	96	Satyzeff and Glinsky	Z. C. [2], 3, 675	vi., 76
Ethylsulphide+$HgCl_2$	$Et_2S+HgCl_2$	$C_4H_{10}Cl_2SHg$	....	90	Loir	C. R., 26, 195	ii., 545
?	$SEtMe+EtCl+2HgCl_2$	$C_5H_{13}Cl_5SHg_2$	....	112	Krüger	J. p. [2], 14, 193	**31**, 187
?	$SEt_2+MeCl+6HgCl_2$	$C_5H_{13}Cl_{13}SHg_6$	....	198	„	„	**31**, 186
?	$SEt_2+EtCl+4HgCl_2$	$C_6H_{15}Cl_9SHg_4$	....	100+	Dehn	As., 4, 83	v., 882
Mercuric thioethylate iodoform	$Hg(SEt)_2+CHI_3$	$C_9H_{21}I_3S_2Hg_2$	....	85·5	Jackson and Oppenheim	B., 8, 1033	**29**, 364
Trichlorpyridine mercurochloride	$(C_5H_2Cl_3N).HHgCl_3$	$C_5H_3Cl_6NHg$	....	209	Königs & Geigy	B., 17, 1834	**46**, 1369
Dichlorpyridine „	$(C_5H_3Cl_2N).HHgCl_3$	$C_5H_4Cl_5NHg$	....	183	„	B., 17, 1833	„
Lutidine mercurochloride	$(C_5NH_3Me_2).HHgCl_3$=?	$C_7H_{10}Cl_3NHg$	....	155	Epstein	B., 18, 883	**48**, 815
„ „	„ =1.2.6	„	....	*186*	Ladenburg & Roth	B., 18, 51	**48**, 558
„ „	„ „	„	....	188–189	Epstein	B., 18, 1749	
„ „	$(C_5NH_3Me_2).HHg_2Cl_5$=1.2.4	$C_7H_{10}Cl_5NHg_2$	....	129	Hantzsch	A., 215, 56	
„ „	„ „	„	....	129–130	Michael	B., 18, 2026	
„ „	„ „	„	$+\frac{1}{2}H_2O$	*130*	Ladenburg & Roth	B., 18, 914	**48**, 815
Trimethylphenylammonium mercurochloride	$(Me_3PhNCl).HgCl_2$	$C_9H_{14}Cl_3NHg$	....	187	Hübner & others	A., 224, 331	**46**, 1318
Viridine „	$(C_{12}H_{19}N).HHgCl_3$	$C_{12}H_{20}Cl_3NHg$	....	35	Thenius	J. [1861], 503	v., 1003
Valeritrine „	$(C_{15}H_{27}N).HHgCl_3$	$C_{15}H_{28}Cl_3NHg$	....	86–88	Lubavin	B., 6, 566	**26**, 1023
Dimethaniline „	$(Ph.NMe_2)_2.H_2HgCl_4$	$C_{16}H_{24}Cl_4N_2Hg$	....	149 u.c.	Klein	B., 11, 1743	**36**, 232
Ethylenediphenyldimethylammonium mercurochloride	$(PhMe_2NCl)_2C_2H_4+2HgCl_2$	$C_{18}H_{26}Cl_6N_2Hg_2$	....	175	Hübner, Tolle, and Athenstadt	A., 224, 331	**46**, 1318
Ethyltetrahydroquinoline mercurochloride	$(C_9H_{10}EtN)_2.H_2HgCl_4$	$C_{22}H_{32}Cl_4N_2Hg$	....	65	Claus & Stegelitz	B., 17, 1330	**46**, 1051
Aniline mercurobromide	$(Ph.NH_2)_2.HgBr_2$	$C_{12}H_{14}Br_2N_2Hg$	....	110–112	Klein	B., 13, 835	**38**, 633
o-Toluidine mercurobromide	$(C_6H_4Me.NH_2)_2.HgBr_2$	$C_{14}H_{18}Br_2N_2Hg$	....	103–104 d.	„	„	„
p- „ „	„	„	....	120–121	„	„	„
Aniline mercuroiodide	$(Ph.NH_2)_2.HgI_2$	$C_{12}H_{14}I_2N_2Hg$	J.[1871], 705	60	Klein	B., 13, 835	**38**, 633
o-Toluidine „	$(C_6H_4Me.NH_2)_2.HgBr_2$	$C_{14}H_{18}I_2N_2Hg$	....	d.w.m. 40–50	„	„	„
p- „ „	„	„	....	81	„	„	„
?	....	$C_{16}H_{39}I_9N_2Hg$	....	150	....	....	ii., 563
Triethylmethylstibiumiodide mercuroiodide	$2(SbMeEt_3I).3HgI_2$	$C_{14}H_{36}I_8Sb_2Hg_3$	....	b. 100	Friedländer	J. p., 70, 433	i., 347
Mercurophenylxanthamide	$Hg(NPh.CS.OEt)_2$	$C_{18}H_{20}O_2S_2Hg$	....	78	Stephanowitz	B., 7, 692	**27**, 992
Methylmercuric nitrate	$Me.Hg.NO_3$	CH_3O_3NHg	....	100	Strecker	A., 92, 79	iii., 927
Phenylmercuric nitrate	$Ph.Hg.NO_3$	$C_6H_5O_3NHg$	....	165–168 d.	...	J. p. [2], 1, 180	
Mercuric dibenzamide	$(C_6H_5.CO.NH)_2Hg$	$C_{14}H_{12}O_2N_2Hg$	....	222–224	Oppenheim	B., 6, 1392	**27**, 272
„ acetanilide	$(Ph.NAc)_2Hg$	$C_{16}H_{16}O_2N_2Hg$	....	215	„	B., 7, 624	**27**, 891
„ isononylamide	$(C_8H_{17}.CO.NH)_2Hg$	$C_{18}H_{36}O_2N_2Hg$	....	117–118	Kuhlhem	A., 173, 319	**28**, 354; vii., 898

	Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
	Phenylmercuric thiocyanate	Ph.Hg.S.CN	C_7H_5SNHg	....	226–227	....	J. p. [2], 1, 182	
	?	$(C_3H_6ClNO)_2.HgO$	$C_6H_{10}Cl_4O_3N_2Hg$	....	100–110	Otto	R., 3, 257	iv., 729
	Anthranil mercurochloride	$C_7H_5ON+HgCl_2$	$C_7H_5Cl_2ONHg$	....	174	Friedländer	B., 15, 2107	**44**, 188
	Narceïne ethomercurochloride	$(C_{23}H_{29}O_9N).EtHgCl_3$	$C_{25}H_{34}Cl_3O_9NHg$	....	127 u. c.	Claus & Ritzfeld	B., 18, 1571	**48**, 996
	Dimethyltolylphosphine oxide mercurochloride	$C_6H_4Me.POMe_2+HgCl_2$	$C_9H_{13}Cl_2OPHg$	$+H_2O$	156	Czimatis	B., 15, 2015	**44**, 57
	?	SEtMe.EtCN.HgI_2	$C_6H_{13}I_2SNHg$	....	98	Krüger	J. p. [2], 14, 193	**31**, 187
	?	SEt_2.MeCN.HgI_2	"	....	115	"	"	"
K.	Potassium formate	$H.CO_2K$	CHO_2K	....	150	Souchay & Groll	G. J. C. [1859]	
	" diformate	$H.CO_2K+H.CO_2H$	$C_2H_3O_4K$	....	120 d.	Lorin	C. R., 82, 750	**30**, 59
	" valerate	$C_4H_9.CO_2K$	$C_5H_9O_2K$	....	140	Gibbs	A. J. S. [2], 15, 118	v., 977
	" triacetate	....	$C_6H_{11}O_6K$	d. 170	112	Lescœur	C. R., 78, 1046	
	" hydroxyacetate	$C_6H_4.OH.CO_2K$	$C_7H_5O_3K$	....	200	Welden	J. p. [2], 15, 151	**32**, 338
	" amylglycollate	$C_5H_{11}.O.CH_2.CO_2K$	$C_7H_{13}O_3K$	....	200–210	Siemens	J. [1861], 449	ii., 918
	" lignocerate	$C_{23}H_{47}.CO_2K$	$C_{24}H_{47}O_2K$	....	sf. 190	Hell & Hermanns	B., 13, 1719	**40**, 250
	" tripimarate	$C_{19}H_{29}.CO_2K+2C_{19}H_{29}.CO_2H$	$C_{60}H_{89}O_6K$	...	121	Duvernoy	A., 148, 143	vi., 945
	Potassium thiocyanate	K.S.CN	CSNK	....	161·2	Pohl	J., 4, 59	
	Potassium brombenzoate....	$C_6H_4Br.CO_2K=1.2$	$C_7H_8BrO_4K$	$+2H_2O$	245	Rhalis	A., 198, 99	**38**, 119
	Potassium isethionate	$HO.C_2H_4.SO_3K$	$C_2H_5O_4SK$	....	300–350	....	....	iii., 413
	" phenolsulphonate	$C_6H_4(OH).SO_3K=1.3$	$C_6H_5O_4SK$	....	200–210	Barth and Senhofer	B., 9, 971	**30**, 410
	" "	" "	"	....	235–240	Solommanoff	Z. C. [2], 5, 294	vi., 924
	" "	" $=1.2$	"	....	240	Barth and Senhofer	B., 9, 973	**30**, 411
	" "	" "	"	....	240	Solommanoff	Z. C. [2], 5, 294	vi., 924
	" "	" $=1.4$	"	....	nf. 240	"	"	"
	" "	" "	"	....	nf. 260	Barth & Senhofer	B., 9, 973	**30**, 411
	" phenylsulphonacetate	$Ph.SO_2.CH_2.CO_2K$	$C_8H_7O_4SK$	$+xH_2O$	100 d.	Otto	B., 18, 159	**48**, 537
	Ethylic potassiumcyanamidocarbonate	$NK(CN).CO_2Et$	$C_4H_5O_2N_2K$	....	199	Bässler	J. p. [2], 16, 125	**34**, 215
	Potassium sodium tartarate	$CO_2Na.(CH.OH)_2.CO_2K$	$C_4H_4O_6NaK$	$+4H_2O$	70–80	Fresenius	A., 53, 234	v., 680
	" " "	"	"	"	50; sf. 37·5	Brandes	Br. Arch., 9, 108	
	Potassium chlorphenolsulphonate	$C_6H_3Cl.OH.SO_3K$	$C_6H_4ClO_4SK$	....	245	Predari	Z. C. [2], 6, 246	vi., 924
	Tetranitroethylenedichloride+2KHO	$C_2(NO_2)_4Cl_2.2KHO$	$C_2H_2Cl_2O_9N_4K_2$	....	detonates 147	Villiers	B. S. [2], 43, 322	**48**, 1044
Li.	Lithium acetate	$CH_3.CO_2Li+4H_2O$	$C_2H_3O_2Li$	....	19	Berzelius	Lehrbuch	
Mg.	Magnesium diethide	$MgEt_2$	$C_4H_{10}Mg$	....	A., 114, 240	....	A., 109, 206	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Magnesium ethylic aceto-acetate	$Mg(CHAc.CO_2Et)_2$	$C_{12}H_{18}O_6Mg$	....	240 d.	Conrad	A., 188, 269	**34**, 26
Magnesium benolate	$Mg(C_{22}H_{39}O_2)_2$	$C_{44}H_{78}O_4Mg$	$+3H_2O$	130	Hausknecht	A., 143, 40	**vi.**, 257
Chlorophyllan	....	$C_aH_bO_cN_dP_eMg_f$	....	110	Hoppe-Seyler	B. C. [1880], 375	**38**, 894
Na. Sodium formate	$H.CO_2Na$	CHO_2Na	....	200	Souchay & Groll	G. J. C. [1859]	
„ acetate	$CH_3.CO_2Na$	$C_2H_3O_2Na$	....	319	Schoffgotsch	G. J. C. [1857]	
„	„ $+2\frac{1}{2}H_2O$	„	....	126	Zettnow	P. A., 142, 306	**vii.**, 7
„ „	„ $+3H_2O$	„	....	58·5	Tilden	....	**45**, 268
„ „	„ „	„	123	58	Jeannel	G. J. C. [1866]	
„ „	„ „	„	120	59	Zettnow	P. A., 142, 306	**24**, 230
„ hydroxyacetate	....	$C_2H_3O_3Na$	....	142–143	Heintz	A., 158, 291	**vii.**, 717
„ „	$HO.CH_2.CO_2Na$	„	....	nf. 160	Wislescenus	B., 6, 1395	**27**, 249
Disodium glyceride	$C_3H_5.OH.(ONa)_2$	$C_3H_6O_3Na_2$	....	220	Loebisch & Looss	M. C., 2, 842	**42**, 377
Sodium glyceride	$C_3H_5(OH)_2.ONa$	$C_3H_7O_3Na$	....	245 d.	Letts	....	**25**, 452
„ valerate	$C_4H_9.CO_2Na$	$C_5H_9O_2Na$	....	140	Zettnow	....	**v.**, 977
„ triacetate	$CH_3.CO_2Na+2CH_3.CO_2H$	$C_6H_{11}O_6Na$	d. 150	127	Lescœur	C. R., 78, 1046	**27**, 870
„ phenylic carbonate	$PhO.CO_2Na$	$C_7H_5O_3Na$	301–302	cryst.	Hentzschel	J. p. [2], 27, 39	**44**, 588
„ amylglycollate	$C_5H_{11}.O.CH_2.CO_2Na$	$C_7H_{13}O_3Na$	....	190–200	Siemens	J. [1861], 449	**ii.**, 918
„ benzhydrilbenzoate	$Ph.CH(OH).C_6H_4.CO_2Na$ =1.3	$C_{14}H_{11}O_3Na$	$+4H_2O$	90	Senff	A., 220, 225	**46**, 428
„ lapachate	$C_5H_9.C_9H_4.CO_2Na$	$C_{15}H_{13}O_3Na$	$+5H_2O$	50	Paterno	G. I., 12, 337	**44**, 210
„ brassidate	$C_{21}H_{41}.CO_2Na$	$C_{22}H_{41}O_2Na$	....	a. 200	Hausknecht	A., 143, 40	**vi.**, 367
„ cholesterate	....	$C_{26}H_{43}ONa$	....	150	....	....	**vi.**, 448
„ glucate	$3Na_2O.4C_{12}H_{16}O_9$	$C_{48}H_{64}O_{39}Na_6$	$+9H_2O$	100	Reichardt	V. p. P., 19, 516	**vii.**, 557
Sodium chloracetate	$CH_2Cl.CO_2Na$	$C_2H_2ClO_2Na$	....	a. 100	Heintz	J. [1861], 144	**vi.**, 19
„ chloride+dextrose	$2C_6H_{12}O_6.NaCl$	$C_{12}H_{24}ClO_{12}Na$	$+H_2O$	120	Hunt	A.J.S.[2],19, 416	
?	$2C_{12}H_{22}O_{11}.3NaI$	$C_{24}H_{44}I_3O_{22}Na_3$	$+3H_2O$	90	Gill	....	**24**, 272
Sodium ethylic sulphate	$EtO.SO_2.ONa$	$C_2H_5O_4SNa$	$+H_2O$	86	....	....	**v.**, 624
„ isobutylmethyl-ketonesulphonate	$CH_2Ac.CMe_2.SO_3Na$	$C_6H_{11}O_4SNa$	$+H_2O$	95	Pinner	B., 15, 593	**42**, 943
„ phenylsulphon-acetate	$Ph.SO_2.CH_2.CO_2Na$	$C_8H_7O_4SNa$	....	d. 120	Otto	B., 18, 159	**48**, 537
Ethylic potassiumcyan-amidocarbonate	$NNa(CN).CO_2Et$	$C_4H_5O_2N_2Na$	....	241	Bässler	J. p. [2], 16, 125	**34**, 214
Sodium dithymylphosphate	$(C_{10}H_{13})_2NaPO_4$	$C_{20}H_{26}O_4PNa$	....	74	Kreysler	B., 18, 1706	**48**, 1055
Sodium bromdichloracetate	$CCl_2Br.CO_2Na$	$C_2Cl_2BrO_2Na$	$+5H_2O$	100	Neumeister	B., 15, 603	**42**, 944
Carbamide+NaCl....	$CO(NH_2)_2.NaCl$	CH_4ClON_2Na	....	60–70	Richter	R. K. T., 11	
Sulphibrombenzaldehyde +$NaHSO_3$	$C_6H_3Br(SO_3H).COH$ $+NaHSO_3$	$C_7H_6BrO_6S_2Na$	....	78	Böttinger	A., 191, 13	**34**, 731
Pb. Lead tetramethide	$PbMe_4$	$C_4H_{12}Pb$	*110*	Liquid	Butlerow	J. [1863], 476	**iii.**, 563
„ „	„	„	160	....	Cahours	A., 122, 68	„
„ tetraethide (A., 112, 226; 122, 66)	$PbEt_4$	$C_8H_{20}Pb$	152	....	Richter	R. K. T., 179	**35**, 245
„ tetraethide (J., 18, 212; A., 109, 224)	„	„	*198–202 p.d.*	Liquid	Buckton	P. M. [4], 17, 282	
Lead triethide (A., 88, 318)	$Et_3Pb.PbEt_3$	$C_{12}H_{30}Pb_2$	d.	Liquid	Klippel	J., 13, 381	

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Lead acetate	$(CH_3.CO_2)_2Pb$	$C_4H_6O_4Pb$	$+3H_2O$	57	Hassenfratz	A. C., 28, 302	
„ methylpropylacetate	$(CHMePr^{\alpha}.CO_2)_2Pb$	$C_{12}H_{22}O_4Pb$	....	43	Liebermann	B., 17, 920	46, 1120
„ œnanthylate....	$[CH_3.(CH_2)_5.CO_2]_2Pb$	$C_{14}H_{26}O_4Pb$	....	78	Mehlis	A., 185, 358	34, 135
„ „	„	„	....	79–80	Franchimont	A., 165, 23	26, 1080
„ „	„	„	....	*90*	Grimshaw	26, 1080	vii., 870
„ „	„	„	....	94–96	„	„	„
„ anisate	$(MeO.C_6H_4.CO_2)_2Pb$	$C_{16}H_{14}O_6Pb$	$+H_2O$	80–90 p.d.	Engelhardt	J. p., 24, 417	vi., 172
„ diallyloxalate	$[(C_3H_5)_2.C(OH).CO_2]_2Pb$	$C_{16}H_{22}O_6Pb$	$+2H_2O$	100	Saytzeff	A., 185, 183	32, 883
„ laurate	$(C_{11}H_{23}.CO_2)_2Pb$	$C_{24}H_{46}O_4Pb$	....	b. 100	Muller	J. p., 58, 469	iii., 475
„ „	„	„	....	110–120	Heintz	A., 97, 271	„
Pb-salt fr. canuba wax	$C_{23}H_{46}:(CO_2)_2:Pb$	$C_{25}H_{46}O_4Pb$	....	d. 125	Stürcke	A., 223, 283	46, 1281
Lead urushate	$(C_{13}H_{17}.CO_2)_2Pb$	$C_{28}H_{34}O_4Pb$	....	110–115	Yoshida	....	43, 477
„ dibenzylcarboxylate	$(CH_2Ph.CHPh.CO_2)_2Pb$	$C_{30}H_{26}O_4Pb$	....	146	Wurtz	C. R., 70, 350	vii., 427
„ ?-ate	$(C_{14}H_{29}.CO_2)_2Pb$	$C_{30}H_{58}O_4Pb$	....	113·5–114	Thörner	B., 12, 1637	38, 44
„ benzylphenoxypropionate	$(Ph.CH_2.C_6H_4.O.CHMe.CO_2)_2Pb$	$C_{32}H_{30}O_6Pb$	$+H_2O$	100 nearly	Mazzara	G. I. [1882], 261	42, 1072
„ ricinoleate	$(C_{17}H_{33}O.CO_2)_2Pb$	$C_{36}H_{66}O_6Pb$	....	100	Saalmüller	A., 64, 108	v., 111
„ stearate	$(C_{17}H_{35}.CO_2)_2Pb$	$C_{36}H_{70}O_4Pb$	....	125	Chevreul	A. C. [2], 2, 354	v., 417
„ ?-ate	$(C_{23}H_{47}.CO_2)_2Pb$	$C_{48}H_{94}O_4Pb$	....	110–111	Stürcke	A., 223, 283	46, 1281
„ lignocerate	„	„	....	117	Hell	B., 13, 1719	40, 250
„ melissate	$(C_{29}H_{59}.CO_2)_2Pb$	$C_{60}H_{118}O_4Pb$	....	118–119	Stürcke	A., 223, 283	46, 1281
Lead thioethylate	$Pb(SEt)_2$	$C_4H_{10}S_2Pb$	....	150	Otto	B., 13, 1290	38, 796
„ thiophenylate ...	$Pb(SPh)_2$	$C_{12}H_{10}S_2Pb$	....	a. 230	....	....	iv., 418
„ thiotolylate	$Pb(S.C_6H_4Me)_2=(1.3)_2$	$C_{14}H_{14}S_2Pb$	....	70	Hübner & Wallach	Z. C. [2], 5, 500	vi., 291
„ „	„ „	„	....	76–78	„	„	„
Lead brombenzoate +Et.OH	$(C_6H_4Br.CO_2)_2Pb=(1.2)_2$	$C_{16}H_{14}Br_2O_5Pb$	....	176–180	Rhalis	A., 198, 99	38, 119
Lead acetonesulphonate	$(CH_3.CO.CH_2.SO_3)_2Pb$	$C_6H_{10}O_8S_2Pb$	$+H_2O$	140; d. 170	Bender	B., 4, 518	24, 703; vii., 16
„ diethylic diphosphate	$[(EtO)_2PO.O]_2Pb$	$C_8H_{20}O_8P_2Pb$	....	180	Vögeli	A., 69, 180	iv., 592
„ glucosodiphosphate ...	$O:[PO(O.C_6H_{11}O_5).O]_2Pb$	$C_{12}H_{22}O_{17}P_2Pb$	....	187	Amatto	G. I., 1, 56	24, 925; vii., 562
Lead chlorhippurate	$(C_9H_7ClON.CO_2)_2Pb$	$C_{18}H_{14}Cl_2O_6N_2Pb$	....	110–120	Otto	A., 122, 129	iii., 160
Lead diamylic dithiophosphate	$[PS(O.C_5H_{11})_2.S]_2Pb$	$C_{20}H_{44}O_4S_4P_2Pb$	....	b. 70	Korvalevsky	A., 119, 303	vii., 1123
Pt. Triethylamine platinocyanide	$PtCy_2(NHEt_3.CN)_2$	$C_{16}H_{32}N_6Pt$	....	80	Scholtz	W. A., 82, 1233	40, 708
Platinocarbonylchloride	$CO:PtCl_2$	CCl_2OPt	....	195	Schützenberger	A. C. [4], 21, 350; J. [1870], 381	24, 1012; vii., 986
Platinodicarbonylchloride	$:(CO)_2:PtCl_2$	$C_2Cl_2O_2Pt$	....	142	„	„	„
Diplatinotricarbonyltetrachloride	$CO.CO.PtCl_2.CO.PtCl_2$	$C_3Cl_4O_3Pt_2$	....	*130*	„	„	„
„	„	„	....	130–150	„	A. C. [2], 15, 100	vi., 952
Ethylsulphide platinichloride	$Et_2S.PtCl_2$	$C_4H_{10}Cl_2SPt$	....	108	Loir	C. R., 26, 195	ii., 545
Diethylmethylsulphine platinochloride	$(SEtMe.Et)_2PtCl_6$	$C_{10}H_{26}Cl_6S_2Pt$	....	186 d.	Krüger	J. p. [2], 14, 193	31, 187
„ „	$(SEt_2.Me)_2PtCl_6$	„	....	214 d.	„	„	31, 186
Allylamine platinichloride	$(C_3H_5.NH_2).HPtCl_3$	$C_3H_8Cl_3NPt$	....	cryst.	Liebermann	B., 16, 530	44, 909
Ethylallylamine platinichloride	$(C_3H_5.NHEt).HPtCl_3$	$C_5H_{12}Cl_3NPt$	....	220	„	„	„

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Propionamidine platinochloride	$(C_3H_8N_2)_2.H_2PtCl_6$	$C_6H_{18}Cl_6N_4Pt$	....	199–200 d.	Pinner	B., 17, 178	46, 723
Diethylallylamine platinichloride	$(C_3H_6.NEt_2).HPtCl_3$	$C_7H_{16}Cl_3NPt$	....	189	Liebermann	B., 16, 530	44, 909
Dipropylallylamine platinichloride	$(C_3H_5.NPr^{\alpha}_2).HPtCl_3$	$C_9H_{20}Cl_3NPt$	....	152–153	„	B., 16, 529	„
Ethylallylamine platinochloride	$(C_3H_6.NHEt)_2.H_2PtCl_6$	$C_{10}H_{24}Cl_6N_2Pt$	....	154–156	„	B., 16, 526	„
Diethylformamidine platinochloride	$(NEt_2.CH:NH)_2.H_2PtCl_6$	$C_{10}H_{26}Cl_6N_4Pt$	....	208–209	Pinner	B., 17, 180	46, 724
Pyridine methoplatinochloride	$(C_5NH_5)_2.Me_2PtCl_6$	$C_{12}H_{16}Cl_6N_2Pt$	....	186–188	Ostermeyer	B., 18, 592	48, 813
Ethylglyoxaline methoplatinochloride	$(C_3H_3N:NEt).Me_2PtCl_6$	$C_{12}H_{22}Cl_6N_4Pt$	....	194–195	Wallach	B., 16, 535	44, 911
Pipecoline platinochloride	$(C_6H_{13}N)_2.H_2PtCl_6$	$C_{12}H_{28}Cl_6N_2Pt$	....	192	Hesekiel	B., 18, 912	48, 812
Capronamidine platinochloride	$(C_6H_{14}N_2)_2.H_2PtCl_6$	$C_{12}H_{30}Cl_6N_4Pt$	....	199 d.	Pinner	B., 17, 178	46, 723
Lutidine platinochloride	$(C_7H_9N)_2PtCl_4$	$C_{14}H_{18}Cl_4N_2Pt$	....	204–205	Coninck	C. R., 96, 437	44, 740
„ „	$(C_7H_9N)_2.H_2PtCl_6$	$C_{14}H_{20}Cl_6N_2Pt$	....	179–180	„	„	„
„ „	$N.Me_2=1.2.4$	„	....	216	Epstein	B., 18, 883	48, 815
„ „	„ „	„	....	216–217	Hantzsch	B., 17, 2909	48, 397
„ „	„ „	„	....	217	„	A., 215, 56	
„ „	„ „	„	....	217	Michael	B., 18, 2025	
„ „	„ „	„	....	*219–220*	Ladenburg	B., 18, 1593	48, 816
„ „	„ „	„	error	230	„	B., 18, 915	„
Diethylallylamine platinochloride	$(C_3H_5.NEt_2).H_2PtCl_6$	$C_{14}H_{32}Cl_6N_2Pt$	....	128–130	Liebermann	B., 16, 526	44, 909
Piperidine base platinochloride	$(C_7H_{16}N)_2.H_2PtCl_6$	„	....	212	Ladenburg	B., 18, 50	48, 558
Isopropylpyridine platinochloride	$N.Pr^{\beta}=1.2$	$C_{16}H_{24}Cl_6N_2Pt$	....	169–170	„	B., 18, 1589	48, 992
„ „	„ $=1.4$	„	....	*203–204*	„	„	„
„ „	„ „	„	....	206	„	B., 17, 1122	46, 1048
Hydroisopropylpyridine platinochloride	$(C_8H_{13}N)_2.H_2PtCl_6$ $N.Pr^{\beta}=1.2$	$C_{16}H_{28}Cl_6N_2Pt$	....	193–193·5	„	B., 18, 1589	48, 992
Copellidine platinochloride	$(C_8H_{17}N).H_2PtCl_6$	$C_{16}H_{36}Cl_6N_2Pt$	....	145–147	Dürkopf	B., 18, 924	48, 817
„ „	„	„	$+xH_2O$	105	„	„	„
Tetrahydroquinoline platinochloride	$(C_9H_{11}N)_2.H_2PtCl_6$	$C_{18}H_{24}Cl_6N_2Pt$	....	200	Hoffmann	B., 16, 729	44, 1143
Methyltropidine „	$(C_9H_{15}N_2)_2.H_2PtCl_6$	$C_{18}H_{32}Cl_6N_2Pt$	....	120	Roth	B., 17, 158	46, 761
Methylquinoline „	$(C_9H_6NMe)_2.H_2PtCl_6$	$C_{20}H_{20}Cl_6N_2Pt$	....	226–230	Fischer & Kuzel	B., 16, 165	44, 588
Quinoline methoplatinochloride	$(C_9H_7N)_2.Me_2PtCl_6$	„	....	230 d.	Ostermeyer	B., 18, 594	48, 814
Methyltetrahydroquinoline platinochloride	$(C_9H_{10}MeN)_2.H_2PtCl_6$	$C_{20}H_{28}Cl_6N_2Pt$	....	177 d.	Hoffmann	B., 16, 732	44, 1144
Dimethylcopellidine platinochloride	$(C_8H_{15}Me_2N)_2.H_2PtCl_6$	$C_{20}H_{44}Cl_6N_2Pt$	....	93	Dürkopf	B., 18, 928	48, 817
Methylcopellidine methoplatinochloride	$(C_8H_{16}MeN)_2.Me_2PtCl_6$	„	....	d. 254	„	B., 18, 924	
Quinoline ethoplatinochloride	$(C_9H_7N)_2.Et_2PtCl_6$	$C_{22}H_{24}Cl_6N_2Pt$	....	226	Claus and Tosse	B., 16, 1278	44, 1009
?	$(C_{11}H_{11}N)_2.H_2PtCl_6$	„	....	227	Beyer	J. p. [2], 31, 47	48, 672
Ethyltetrahydroquinoline platinochloride	$(C_9H_{10}EtN)_2.H_2PtCl_6$	$C_{22}H_{32}Cl_6N_2Pt$	....	160 d.	Claus & Stegelitz	B., 17, 1330	46, 1051
Methylamylpiperidine platinochloride	$[C_5H_9Me(C_5H_{11})N]_2.H_2PtCl_6$	$C_{22}H_{48}Cl_6N_2Pt$	....	140; sf. 100	Schotten	B., 15, 422	42, 982
Ethyltetrahydroquinoline methoplatinochloride	$(C_9H_{10}EtN)_2.Me_2PtCl_6$	$C_{24}H_{36}Cl_6N_2Pt$	....	215	Claus & Stegelitz	B., 17, 1331	46, 1051
Ethylamylaniline platinochloride	$(Ph.NEt.C_5H_{11})_2.H_2PtCl_6$	$C_{26}H_{44}Cl_6N_2Pt$	....	100	Hofmann	A., 74, 156	iv., 452

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Quinoline amylplatinochloride	$(C_9H_7N)_2.(C_5H_{11})_2PtCl_6$	$C_{28}H_{36}Cl_6N_2Pt$	....	220	Claus and Tosse	B., 16, 1279	**44**, 1009
Methyldiphenylpyrazene platinochloride	$(C_3N_2HMePh)_2.H_2PtCl_6$	$C_{32}H_{30}Cl_6N_4Pt$	$+H_2O$	160–200 d.	Knorr & Blank	B., 18, 314	**48**, 556
Diamidoamarine „	$[C_{21}H_{16}N_2(NH_2)_2]_2.H_2PtCl_6$	$C_{42}H_{42}Cl_6N_8Pt$	....	d.a. 250	Claus and Witt	B., 18, 1676	
Benzylamarine „	$[C_{21}H_{17}(CH_2Ph)N_2]_2.H_2PtCl_6$	$C_{56}H_{50}Cl_6N_4Pt$	d. 240	236; sf. 166	Claus and Elbs	B., 16, 1273	**44**, 983
„ ethoplatinochloride	$[C_{21}H_{17}(CH_2Ph)N_2]_2.Et_2PtCl_6$	$C_{60}H_{58}Cl_6N_4Pt$	d. 200	152	Claus and Kohlstock	B., 18, 1854	**48**, 1133
Triethylphosphine platinichloride	$(Et_3P)_2PtCl_2$	$C_{12}H_{30}Cl_2P_2Pt$	....	150	Cahours and Gal	Z. C., 13, 437	
Trimethyltolylphosphonium platinochloride	$(C_6H_4Me.PMe_3)_2PtCl_6=(1.4)_2$	$C_{20}H_{32}Cl_6P_2Pt$	....	230	Czimatis	B., 15, 2015	**44**, 57
Triethylphenylphosphonium platinochloride	$(PPhEt_3)_2PtCl_6$	$C_{24}H_{40}Cl_6P_2Pt$	....	b. 100	Ananoff	B., 8, 497	**28**, 1204
Methyldiethylxylylphosphonium platinochloride	$(C_6H_3Me_2.PEt_2Me)_2PtCl_6$	$C_{26}H_{44}Cl_6P_2Pt$	....	202	Czimatis	B., 15, 2016	**44**, 58
Diphenyldimethylphosphonium platinochloride	$(PPh_2Me_2)_2PtCl_6]$	$C_{28}H_{32}Cl_6P_2Pt$	....	218	Michaelis & Link	A., 207, 210	**42**, 306
Diphenylmethylethylphosphonium platinochloride	$(PPh_2MeEt)_2PtCl_6$	$C_{30}H_{36}Cl_6P_2Pt$	....	220	„	„	„
Diphenyldiethylphosphonium platinochloride	$(PPh_2Et_2)_2PtCl_6$	$C_{32}H_{40}Cl_6P_2Pt$	....	218	„	„	„
Dimethyltolylphosphine benzylplatinochloride	$(C_6H_4Me.PMe_2)_2.(CH_2Ph)_2PtCl_6=(1.4)_2$	„	....	226	Czimatis	B., 15, 2016	**44**, 57
Phenyltrimethylarsonium platinochloride	$(AsPhMe_3)_2PtCl_6$	$C_{18}H_{28}Cl_6As_2Pt$	....	219	Michaelis & Link	A., 207, 193	**42**, 306
Diphenyldimethylarsonium platinochloride	$(AsPh_2Me_2)_2PtCl_6$	$C_{28}H_{32}Cl_6As_2Pt$	....	219	„	A., 207, 204	**42**, 305
Diphenylethylmethylarsonium platinochloride	$(AsPh_2EtMe)_2PtCl_6$	$C_{30}H_{36}Cl_6As_2Pt$	....	214 s.d.	„	A., 207, 193	„
Quinine platinicyanide ...	$(C_{20}H_{24}N_2O_2)_2.H_2PtCy_4$	$C_{44}H_{50}O_4N_8Pt$	....	150–160 d.	Burg	J. [1865], 440	vi., 984
Ammonium platinithiocyanate	$(NH_3)_2Pt(CNS)_2$	$C_2H_6S_2N_4Pt$	....	100–110	Buckton	7, 22	v., 513
Lutidinedicarboxylic acid platinochloride	$C_5NHMe_2(CO_2H).H_2PtCl_6$	$C_9H_{11}Cl_6O_4NPt$	$+6H_2O$	nf. 290	Michael	A., 225, 121	**48**, 62
Collidinecarboxylic acid platinochloride	$C_5NHMe_3(CO_2H).H_2PtCl_6$	$C_9H_{13}Cl_6O_2NPt$	$+H_2O$	198	„	„	„
Dimethylpseudoquinoxyl platinochloride	$C_{11}H_{11}ON.H_2PtCl_6$	$C_{11}H_{13}Cl_6ONPt$	....	215	Knorr & Antrick	B., 17, 2877	**48**, 274
Ethylic collidinecarboxylate platinochloride	$C_5NHMe_3(CO_2Et).H_2PtCl_6$	$C_{11}H_{17}Cl_6O_2NPt$	....	193	Michael	A., 225, 121	**48**, 62
m-Ethoxypyridine platinochloride	$C_5NH_4(OEt).H_2PtCl_6$	$C_{14}H_{20}Cl_6O_2N_2Pt$	....	192	Fischer & Renouf	B., 17, 1897	**46**, 1370
Diethylic collidine dicarboxylate platinochloride	$C_5NMe_3(CO_2Et)_2.H_2PtCl_6$	$C_{14}H_{21}Cl_6O_4NPt$	....	184	Hantzsch	A., 215, 1	**44**, 83
Nitrodiphenylmethylpyrazene platinochloride	$C_{16}H_{13}O_2N_3.H_2PtCl_6=1.2$	$C_{16}H_{15}Cl_6O_2N_3Pt$	....	198	Knorr & Jödicke	B., 18, 2261	**48**, 1248
Lutidine carboxylic acid platinochloride	$N.Me_2.CO_2H=1.2.4.3$	$C_{16}H_{20}Cl_6O_4N_2Pt$	$+2H_2O$	216	Michael	B., 18, 2024	**48**, 1245
Tropine platinochloride	$(C_8H_{15}ON)_2.H_2PtCl_6$	$C_{16}H_{32}Cl_6O_2N_2Pt$	....	198–200 d.	Schmidt	B., 13, 373	**38**, 482
m-Hydroxyquinoline platinochloride	$(C_9NH_6.OH)_2.H_2PtCl_6$	$C_{18}H_{16}Cl_6O_2N_2Pt$	....	244–245	Skraup	M. C., 3, 531	**44**, 95
Ethylic lutidinecarboxylate platinochloride	$N.Me_2.CO_2Et=1.2.4.3$	$C_{20}H_{28}Cl_6O_4N_2Pt$	....	191	Michael	B., 18, 2023	**48**, 1244

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylic collidinecarboxylate platinochloride	$(C_6NHMe_3.CO_2Et)_2.H_2PtCl_6$	$C_{22}H_{32}Cl_6O_4N_2Pt$	....	194	Hantzsch	A., 215, 1	**44**, 84
?-platinochloride	$(C_{12}H_{15}O_2N)_2.H_2PtCl_6$	$C_{24}H_{32}Cl_6O_4N_2Pt$	....	195–196	Canzoneri	G. I., 14, 448	**48**, 751
Dimethylic collidinecarboxylate platinochloride	$[C_5NMe_3(CO_2Me)_2]_2.H_2PtCl_6$	$C_{24}H_{32}Cl_6O_8N_2Pt$	....	200 d.	Hantzsch	B., 16, 1948	**44**, 1082
Ethylenediethyltoluyleneamidine platinochloride	$(C_9H_{10}Et_2ON_2)_2.H_2PtCl_6$	$C_{26}H_{42}Cl_6O_2N_4Pt$	....	218	....	A., 210, 376	
Phenyllutidine carboxylic acid platinochloride	$(C_6NHPhMe_2.CO_2H)_2$ H_2PtCl_6	$C_{28}H_{28}Cl_6O_4N_2Pt$	$+H_2O$	110–115	Hantzsch	B., 17, 2913	
Benzylamidobenzoic acid platinochloride	$NH(CH_2Ph).CO_2H=1.2$	"	....	158 u.c.	Claus & Glyckherr	B., 16, 1285	**44**, 1010
Ethylic phenyllutidine carboxylate platinochloride	$(C_{16}H_{17}O_2N)_2.H_2PtCl_6$	$C_{32}H_{36}Cl_6O_4N_2Pt$	....	196	Hantzsch	B., 17, 2912	**48**, 397
Fr. methyldiphenylpyrazene	$(C_{17}H_{17}ON_2)_2.H_2PtCl_6$	$C_{34}H_{36}Cl_6O_2N_4Pt$	....	241	Knorr & Blank	B., 18, 315	**48**, 556
Atropine platinochloride	$(C_{17}H_{23}O_3N)_2.H_2PtCl_6$	$C_{34}H_{48}Cl_6O_6N_2Pt$	....	208	Schmidt	B., 13, 370	**38**, 481
?-platinochloride	$(C_{20}H_{20}ON_2)_2.H_2PtCl_6$	$C_{40}H_{42}Cl_6O_2N_4Pt$	....	190	Ostermeyer	B., 18, 595	**48**, 814
Dinitroamarine platinochloride	$[C_{21}H_{16}N_2(NO_2)_2]_2.H_2PtCl_6$	$C_{42}H_{34}Cl_6O_8N_8Pt$	....	d.w.m. 220	Claus and Witt	B., 18, 1673	
Papaverine ethoplatinochloride	$(C_{21}H_{21}O_4N)_2.Et_2PtCl_6$	$C_{46}H_{52}Cl_6O_8N_2Pt$	....	223 d; u.c.	Claus & Hüetlin	B., 18, 1578	**48**, 996
Hydrodimethylamarine methoplatinochloride	$(C_{21}H_{18}Me_2N_2O)_2.Me_2PtCl_6$	$C_{48}H_{64}Cl_6O_2N_4Pt$	....	244	Claus	B., 15, 2329	**44**, 203
Hydrotrimethylamarine platinochloride	$(C_{21}H_{17}Me_3N_2O)_2.H_2PtCl_6$	"	....	195	"	"	"
Narceïne methoplatinochloride	$(C_{23}H_{22}O_9N)_2.Me_2PtCl_6$	$C_{48}H_{64}Cl_6O_{18}N_2Pt$	....	189	Claus & Ritzfeld	B., 18, 1572	**48**, 997
" ethoplatinochloride	$(C_{23}H_{29}O_9N)_2.Et_2PtCl_6$	$C_{50}H_{68}Cl_6O_{18}N_2Pt$	....	170 u.c.	"	B., 18, 1570	**48**, 996
Hydromethylbenzylamarine platinochloride	$[C_{21}H_{18}Me(CH_2Ph)N_2O]_2.$ H_2PtCl_6	$C_{58}H_{68}Cl_6O_2N_4Pt$	....	168	Claus	B., 15, 2327	**44**, 203
Benzylnarceïne platinochloride	$(C_{23}H_{28}(CH_2Ph)O_9N)_2.$ H_2PtCl_6	$C_{60}H_{72}Cl_6O_{18}N_2Pt$	$+2H_2O$	128 u.c.	Claus & Ritzfeld	B., 18, 1575	**48**, 997
Narceïne benzylplatinochloride	$(C_{23}H_{29}O_9N)_2.(CHPh)_2PtCl_6$	"	....	165	"	B., 18, 1573	"
Triethylic phosphochlorplatinate	$(EtO)_3P:PtCl_2$	$C_6H_{15}Cl_2O_3PPt$	....	83	Schutzenberger and Fontaine	B. S. [2], 18, 101, 148	**25**, 1088; vii., 988
Ethylthiocarbanilide platinochloride	$(C_{15}H_{16}SN_2)_2.H_2PtCl_6$	$C_{30}H_{34}Cl_6S_2N_4Pt$	$+2H_2O$	b. 100	Rathke	B., 14, 1777	**42**, 167
Phenylimidoethylphenylcarbaminthiethyl platinochloride	$[NPh:C(NEtPh).SEt]_2.$ H_2PtCl_6	$C_{34}H_{42}Cl_6S_2N_4Pt$	....	110	Bernthsen and Friese	B., 15, 567	**42**, 966
?	....	$C_{12}H_{45}Cl_4O_6N_5P_2Pt_2$	....	150	Schutzenberger	B. S. [2], 18, 101, 148	vii., 989
Si. Silicontetramethide	$SiMe_4$	$C_4H_{12}Si$	30	Liquid	Ladenburg	A., 164, 300	**26**, 50
" (A., 136, 203)	"	"	*30–31*	....	Friedel & Crafts	B. S. [1863], 468	v., 266
Silicontriethylhydride	$SiHEt_3$	$C_6H_{16}Si$	107	Liquid	Ladenburg	A., 164, 327; B., 5, 565	**25**, 806; **26**, 50; vii., 1082
Silicontetraethide	$SiEt_4$	$C_8H_{20}Si$	*152·5*	Liquid	Friedel & Crafts	B. S. [1863], 468	v., 266
" (A., 127, 31)	"	"	150–154	....	Friedel and Ladenburg	A. C. [5], 19, 390	**38**, 609
" (A., 138, 19)	"	"	152·5	....	Ladenburg	B., 4, 731	**24**, 1039
"	"	"	150	....	"	B., 5, 565	**25**, 806
" ...	"	"	151–153	....	"	A., 164, 330	**26**, 52; vii., 1084

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Silicontripropylhydride	$SiHPr^{\alpha}_3$	$C_9H_{22}Si$	170–171	Liquid	Pape	B., 14, 1873	**42**, 154
Siliconphenyltriethide	$SiPhEt_3$	$C_{12}H_{20}Si$	230	Liquid	Ladenburg	B., 7, 388; A., 173, 159	**27**, 803
Silicontetrapropide	$SiPr^{\alpha}_4$	$C_{12}H_{28}Si$	213	Liquid	Pape	B., 14, 1874	**42**, 154
Siliconhexethide	$Et_3Si.SiEt_3$	$C_{12}H_{30}Si_2$	250–253	Liquid	Friedel and Ladenburg	A. [5], 19, 401; C. R., 68, 920	**38**, 609; vi., 1022
Silicontetraphenyl	$SiPh_4$	$C_{24}H_{20}Si$	a. 360	228	Polis	B., 18, 1542	**46**, 973
Silicontetrabenzyl....	$Si(CH_2Ph)_4$	$C_{28}H_{28}Si$	....	127·5	"	B., 18, 1544	"
Silicontetratolyl	$Si(C_6H_4Me)_4{=}(1.4)_4$	"	....	228	"	B., 18, 1543	"
Siliconethyltrichloride	$SiEtCl_3$	$C_2H_5Cl_3Si$	100	Liquid	Ladenburg	A., 164, 306	**26**, 49; vii., 1082
Silicondiethyldichloride	$SiEt_2Cl_2$	$C_4H_{10}Cl_2Si$	129	Liquid	"	B., 4, 728	**24**, 1038
"	"	"	*128–130*	Liquid	"	A., 164, 310	**26**, 50; vii., 1082
Siliconphenyltrichloride	$SiPhCl_3$	$C_6H_5Cl_3Si$	197	Liquid	"	A., 173, 153; B., 6, 380	**26**, 1026
Silicontriethylchloride	$SiEt_3Cl$	$C_6H_{15}ClSi$	143·5	Liquid	"	A., 164, 315; B., 4, 902	**25**, 156; **26**, 50
Silicontolylchloride	$Si(C_6H_4Me)Cl_3{=}1.4$	$C_7H_7Cl_3Si$	218–220	Liquid	"	A., 173, 165; B., 7, 390	**27**, 803
Silicononylchloride	$SiH_2(C_9H_{17})Cl$	$C_9H_{19}ClSi$	180–190	....	Friedel	B. S. [2], 7, 322	vi., 1020
"	"		185	....	....	A., 138, 20	
Silicontriethylchlorphenyl	$SiEt_3.C_6H_4Cl$	$C_{12}H_{19}ClSi$	260–265	....	Ladenburg	A., 173, 161	
Silicontriethylbromide	$SiEt_3Br$	$C_6H_{15}BrSi$	*161*	....	Ladenburg	A., 164, 330	**26**, 52
"	"	"	159–163	....	"	B., 5, 566	**25**, 807
Silicontripropylbromide	$SiPr^{\alpha}_3Br$	$C_9H_{21}BrSi$	213	Liquid	Pape	B., 14, 1875	**42**, 154
Silicondiethyloxide	Et_2SiO	$C_4H_{10}OSi$	a. 350	Liquid —15	Ladenburg	A., 164, 31	**26**, 50; vii., 1083
Diethylic silicate	$(EtO)_2SiO$	$C_4H_{10}O_3Si$	350	Liquid	Ebelmann	A. C. [3], 16, 144	**26**, 746; v., 263
" "	"	"	360	....	....	A., 57, 338	
" "	"	"	*358–360*	....	Hertkorn	B., 18, 1683	
Tetramethylic orthosilicate	$(MeO)_4Si$	$C_4H_{12}O_4Si$	120–122	Liquid	Friedel & Crafts	A. C. [4], 9, 36	v., 265
Trimethylic orthosilicopropionate	$Et.Si(OMe)_3$	$C_5H_{14}O_3Si$	125–126	Liquid	Ladenburg	A., 173, 145; B., 5, 1081	**26**, 488; vii., 1087
Trimethylic ethylic orthosilicate	$(MeO)_3(EtO)Si$	$C_5H_{14}O_4Si$	133–135	....	Friedel & Crafts	A. C. [4], 9, 43	v., 265
Silicobenzoic acid	$Ph.SiO.OH$	$C_6H_6O_2Si$	....	92	Ladenburg	A., 173, 155	
Triethylsilicol	$SiEt_3.OH$	$C_6H_{16}OSi$	153·5	Liquid	"	B., 4, 902	**25**, 156
"	"	"	154	....	"	A., 164, 316	**26**, 50; vii., 1083
Silicontriethylate	$SiH(OEt)_3$	$C_6H_{16}O_3Si$	134	....	Friedel and Ladenburg	A., 143, 124; B. S. [2], 7, 322	vi., 1020
Diethylic dimethylic orthosilicate	$(MeO)_2(EtO)_2Si$	$C_6H_{16}O_4Si$	143–144	....	Friedel & Crafts	A. C. [4], 9, 44	v., 265
Hexamethylic disilicate ...	$O[Si(OMe)_3]_2$	$C_6H_{18}O_7Si_2$	201–202·5	....	"	A. C. [4], 9, 36	"
Silicotoluic acid	$C_6H_4Me.(SiO.OH){=}1.4$	$C_7H_8O_2Si$	....	150	Ladenburg	A., 173, 166	
Triethylic orthosilicoacetate	$Me.Si(OEt)_3$	$C_7H_{18}O_3Si$	145–151	Liquid	"	B., 6, 1030; A., 173, 149	**27**, 40
Triethylic methylic orthosilicate	$(EtO)_3(MeO)Si$	$C_7H_{18}O_4Si$	155–157	....	Friedel & Crafts	A. C. [4], 9, 45	v., 265
Silicoacetic anhydride	$Si(OAc)_4$	$C_8H_{12}O_8Si$	148 (5–6)	110	Friedel and Ladenburg	A.C. [4], 27, 428; A., 145, 174	**26**, 53; vii., 1084
Triethylsilicol acetate	$SiEt_3.OAc$	$C_8H_{18}O_2Si$	168	Liquid	Ladenburg	A., 164, 317; B., 5, 319	**25**, 609; **26**, 51
Triethylic acetylsilicate	$(EtO)_3Si.OAc$	$C_8H_{18}O_5Si$	192–197	....	....	J. [1866], 491	v., 264
Triethylsilicol ethylate	$Et_3Si.OEt$	$C_8H_{20}OSi$	153	Liquid	Ladenburg	B., 4, 730; A., 164, 313	**24**, 1039; **26**, 50; vii., 1082

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Silicononyl alcohol	$C_8H_7.SiH_2.OH$	$C_8H_{20}OSi$	190	....	Friedel and Ladenburg	B. S. [2], 7, 322; A., 138, 23	**vi.**, 1020
Silicondiethyldiethylate	$SiEt_2(OEt)_2$	$C_8H_{20}O_2Si$	155–156	....	„	C. R., 66, 316; A., 159, 259	**24**, 918; **vi.**, 1021
„	„	„	155·5; *155·8*	....	Ladenburg	B., 4, 728; A., 164, 300	**24**, 1038; **26**, 49; **vii.**, 1082
Triethylic orthosilicopropionate	$Et.Si(OEt)_3$	$C_8H_{20}O_3Si$	159	....	„	A., 164, 300	**26**, 49; **vii.**, 1082, 1087
„	„	„	*158·5*	....	Friedel	A., 159, 259	**24**, 918
„	„	„	159–162	....	„	C. R., 66, 816	**vi.**, 1020
Tetraethylic orthosilicate	$Si(OEt)_4$	$C_8H_{20}O_4Si$	162–163	...	Ebelmann	A., 52, 334	
„ (B., 8, 713)	„	„	165·5	....	Friedel & Crafts	S. J. [2], 43, 158	
„ (B., 5, 327)	„	„	166·5	....	„	A. C. [4], 9, 45	**24**, 1039
„	„	„	166·5	....	Ebelmann	A. C. [3], 16, 144	**v.**, 263
„ (J. [1875], 462)	„	„	*166·5*	....	Ladenburg	A., 164, 300	**26**, 50
„ (B. S., 32, 118)	„	„	165–169	....	Friedel	A. C. [4], 23, 430	**25**, 155
Tripropylsilicol	$Pr^a_3Si.OH$	$C_9H_{22}OSi$	205–208	....	Pape	B., 14, 1875	**42**, 154
Silicononylic acetate	$C_8H_{17}.SiH_2.OAc$	$C_{10}H_{22}O_2Si$	208–214	....	Friedel and Ladenburg	B. S. [2], 7, 322; A., 138, 22	**vi.**, 1020
Tripropylsilicol acetate	$Pr^a_3Si.OAc$	$C_{11}H_{24}O_2Si$	212–216	....	Pape	B., 14, 1875	**42**, 154
Isoamylic triethylic orthosilicate	$(EtO)_3(C_5H_{11}.O)Si$	$C_{11}H_{26}O_4Si$	216–225	....	Friedel & Crafts	A. C. [4], 9, 17	**v.**, 264
Triethylic orthophenylsilicate	$Ph.Si(OEt)_3$	$C_{12}H_{20}O_3Si$	235	....	Ladenburg	A., 173, 155	
„	„	„	*237*	Liquid	„	B., 6, 380	**26**, 1026
Tetrapropylic orthosilicate	$(Pr^aO)_4Si$	$C_{12}H_{28}O_4Si$	225–227	J. [1874], 49	Cahours	C. R., 76, 1383	**26**, 871
Diisoamylic dimethylic orthosilicate	$(MeO)_2(C_5H_{11}.O)_2Si$	„	225–235	....	Friedel & Crafts	A. C. [4], 9, 46	**v.**, 265
Silicoheptyl oxide....	$O(SiEt_3)_2$	$C_{12}H_{30}OSi_2$	224–229	....	Ladenburg	B., 4, 730	**24**, 1039
„	„	„	230–235	....	„	A., 147, 364	**vii.**, 1084
„	„	„	*231*	....	„	A., 164, 326	**26**, 52
Hexethylic disilicate	$O[Si(OEt)_3]_2$	$C_{12}H_{30}O_7Si_2$	125–130	....	....	A., 57, 341	**v.**, 264
„ (J., 19, 489)	„	„	233–238	....	Friedel & Crafts	A. C. [5], 7, 472	
„	„	„	*235–237*	....	Friedel and Ladenburg	B. S. [2], 9, 358; A., 147, 362	**vi.**, 1021
Diisoamylic diethylic orthosilicate	$(EtO)_2(C_5H_{11}.O)_2Si$	$C_{14}H_{32}O_4Si$	245–250	....	Friedel & Crafts	A. C. [4], 9, 19	**v.**, 264
Tetraisobutylic orthosilicate	$(Bu^{\beta}O)_4Si$	$C_{16}H_{36}O_4Si$	256–260	J. [1874], 349	Cahours	C. R., 77, 1403	**27**, 349
Diethylic silicate	$[(EtO)_2SiO]_4$	$C_{16}H_{40}O_{12}Si_4$	270–290	Liquid	Troost	A. C. [5], 7, 472	**30**, 599
Triisoamylic ethylic orthosilicate	$(EtO)(C_5H_{11}.O)_3Si$	$C_{17}H_{38}O_4Si$	280–285	....	Friedel & Crafts	A. C. [4], 9, 19	**v.**, 264
Tetraisoamylic orthosilicate	$(C_5H_{11}.O)_4Si$	$C_{20}H_{44}O_4Si$	324; *322–325*	....	Ebelmann	A. C. [3], 16, 144; A., 57, 344	**v.**, 263
Tetraphenylic „	$(PhO)_4Si$	$C_{24}H_{20}O_4Si$	417–420	47–48	Hertkorn	B., 18, 1680	**48**, 1056
Tetratolylic „	$(C_6H_4Me.O)_4Si=(1.2)_4$	$C_{28}H_{28}O_4Si$	435–438	L. f. m.	„	B., 18, 1687	**48**, 1056
„ „	„ $=(1.3)_4$	„	443–446(720)	Liquid	„	B., 18, 1688	„
„ „	„ $=(1.4)_4$	„	442–445	69–70	„	B., 18, 1689	„
Tetraxylic „	$(C_6H_3Me_2.O)_4Si=(1.3.?)_4$	$C_{32}H_{36}O_4Si$	453–457	L.f.m.	„	B., 18, 1690	„
„ „	„ $=(1.2.?)_4$	„	460 (760); 350–360(120)	s.f.m.; n.f. ord. temp.	„	B., 18, 1691	„
Tetra-α-naphthylic orthosilicate	$(C_{10}H_7.O)_4Si$	$C_{40}H_{28}O_4Si$	425–430 (130)	crystalline	„	B., 18, 1696	**48**, 1057
Tetra-β-naphthylic orthosilicate	„	„	430 (133)	crystalline	„	B., 18, 1697	„
Tetraisobutylphenylic orthosilicate	$(C_6H_4Bu^{\beta}.O)_4Si$	$C_{40}H_{62}O_4Si$	380 (120)	s.f.m.	„	B., 18, 1692	**48**, 1056
Tetrathymylic orthosilicate	$(C_6HMePr^a.O)_4Si=(1.4.5)_4$	„	450 (760)	47–48	„	B., 18, 1694	**48**, 1057
„ „	„ „	„	340–345(69·5)	....	„	„	„
Tetracarvacrylic „	„ $=(1.4.6)_4$	„	380–390(118)	L.f.m.	„	„	„

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tetramenthylic orthosilicate	$(C_{10}H_{19}.O)_4Si$	$C_{40}H_{76}O_4Si$	350 (155)	82	Hertkorn	B., 18, 1695	**46**, 1057
Tetraisoamylphenylic orthosilicate	$(C_5H_{11}.C_6H_4.O)_4Si$	$C_{44}H_{60}O_4Si$	390–397 (118)	s.f.m.	„	B., 18, 1693	„
Silicon tetrathiocyanate	$Si(S.CN)_4$	$C_4S_4N_4Si$	300	142	Miquel	A. C. [5], 11, 343; C. C. [1876], 516	**31**, 706; **32**, 872
Methoxysilicontrichloride	$MeO.SiCl_3$	CH_3Cl_3OSi	82–86	....	Friedel and Crafts	A. C. [4], 9, 41	v., 265
Ethoxysilicontrichloride	$EtO.SiCl_3$	$C_2H_5Cl_3OSi$	104	....	„	A. C. [4], 9, 15	v., 264
„	„	„	104	....	Ladenburg	A., 164, 300	**26**, 52
Dimethoxysilicondichloride	$(MeO)_2SiCl_2$	$C_2H_6Cl_2O_2Si$	98–103	....	Friedel and Crafts	A. C. [4], 9, 40	v., 265
Trimethoxysiliconchloride	$(MeO)_3SiCl$	$C_3H_9ClO_3Si$	114·5–115·5	....	„	„	„
Diethoxysilicondichloride	$(EtO)_2SiCl_2$	$C_4H_{10}Cl_2O_2Si$	*136–138*	....	„	A. C. [4], 9, 14	v., 264
„	„	„	137	....	Ladenburg	A., 164, 300	**26**, 52
Dipropoxysilicondichloride	$(Pr^{\alpha}O)_2SiCl_2$	$C_6H_{14}Cl_2O_2Si$	185–188	J. [1874], 498	Cahours	C. R., 76, 1383	**26**, 871
Ethoxysilicondiethylchloride	$EtO.SiEt_2Cl$	$C_6H_{15}ClOSi$	*146–148*; 148	Liquid	Ladenburg	B., 4, 728; A., 164, 309	**24**, 1038; **26**, 50; vii., 1082
Diethoxysiliconethylchloride	$(EtO)_2SiEtCl$	$C_6H_{15}ClO_2Si$	148–153	....	„	A., 164, 307	**26**, 52; vii., 1082
Triethoxysiliconchloride	$(EtO)_3SiCl$	$C_6H_{15}ClO_3Si$	156	....	„	A., 164, 300	**26**, 52
„	„	„	156	....	Friedel	B. S. [2], 7, 322	vi., 1020
„	„	„	*155–157*	....	Friedel and Crafts	A. C. [4], 9, 11	v., 264
Tripropoxysiliconchloride	$(Pr^{\alpha}O)_3SiCl$	$C_9H_{21}ClO_3Si$	208–210	J. [1874], 497	Cahours	C. R., 76, 1383	**26**, 871
?	$(EtO)_6(NH_2)Si_2O$	$C_{10}H_{27}O_6NSi_2$	280 (i.v.)	....	Troost	A. C. [5], 7, 453	**30**, 599
Sn. Tin diethide	$SnEt_2$	$C_4H_{10}Sn$	150 d.	Liquid −12	Frankland	P. T. [1852]	v., 827
„ „	„	„	*176–180*	....	Buckton	J., 11, 392	
„ tetramethide (B., 3, 358)	$SnMe_4$	$C_4H_{12}Sn$	*78*	Liquid	Ladenburg	As., 8, 77	vii., 1160
„ „ (J., 12, 427)	„	„	140–145	....	Cahours	A., 114, 369	v., 834
„ ethotrimethide	$SnEtMe_3$	$C_5H_{14}Sn$	125–128	....	„	A., 122, 59	„
„ diethodimethide	$SnEt_2Me_2$	$C_6H_{16}Sn$	144–146	Liquid −13	Frankland	A., 144, 157; P. T. [1852]	„
„ triethomethide	$SnEt_3Me$	$C_7H_{18}Sn$	162–163	....	Cahours	A., 122, 60	„
„ tetrethide (A., 112, 223)	$SnEt_4$	$C_8H_{20}Sn$	179–180	....	Ladenburg	B., 3, 355	
„ „ (A., 111, 46)	„	„	180	....	Cahours	J., 12, 420	
„ „ (A., 109, 226)	„	„	*181*	Liquid −13	Frankland	P. T. [1852]	v., 831
„ phenyltriethide	$SnPhEt_3$	$C_{12}H_{20}Sn$	254	Liquid	Ladenburg	A., 159, 251; B., 4, 17	**24**, 225
„ tetrapropide	$SnPr^{\alpha}_4$	$C_{12}H_{28}Sn$	222–225	J. [1873], 519	Cahours	B. S., 20, 190	
„ triethide	$Et_3Sn.SnEt_3$	$C_{12}H_{30}Sn_2$	240–245	....	„	A., 114, 244, 361	
„ „	„	„	*265–270 p.d.*	....	Ladenburg	As., 8, 63	vii., 1159
„ „ (B., 3, 355, 647)	„	„	268–272	....	„	Z. C., 13, 604	
Tin dimethyldichloride	$SnMe_2Cl_2$	$C_2H_6Cl_2Sn$	188–190	90	Cahours	A., 114, 227, 354	v., 832
„ diethyldichloride ...	$SnEt_2Cl_2$	$C_4H_{10}Cl_2Sn$	220	60	„	„	v., 827
„ „	„	„	....	*84·5*	Ladenburg	As., 8, 60; B., 4, 19	**24**, 223; vii., 1160
„ diisopropyldichloride	$SnPr^{\beta}_2Cl_2$	$C_6H_{14}Cl_2Sn$	....	56·5–57·5	Cahours	C. R., 88, 1112	**36**, 919
„ dipropyldichloride	$SnPr^{\alpha}_2Cl_2$	„	....	80	„	C. R., 88, 725, 1112	**36**, 622, 918
„ triethylchloride	$SnEt_3Cl$	$C_6H_{15}ClSn$	205–208	....	Ladenburg	B., 4, 17	**24**, 225
„ „	„	„	208–210	0	Cahours	J., 12, 425	v., 829
„ phenylethyldichloride	$SnPhEtCl_2$	$C_8H_{10}Cl_2Sn$	B., 4, 18	45	Ladenburg	A., 159, 258	**24**, 225
„ diisobutyldichloride	$SnBu^{\beta}_2Cl_2$	$C_8H_{18}Cl_2Sn$	260–262	s. 5–6	Cahours	C. R., 89, 68	**36**, 919
„ diphenyldichloride	$SnPh_2Cl_2$	$C_{12}H_{10}Cl_2Sn$	333–337 d.	42	Aronheim	A., 194, 159	**36**, 249
„ triphenylchloride	$SnPh_3Cl$	$C_{18}H_{15}ClSn$	....	105	„	B., 12, 509	
„ „	„	„	....	*106*	„	A., 194, 172	**36**, 250

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tin dimethyldibromide	$SnMe_2Br_2$	$C_2H_6Br_2Sn$	208–210	....	Cahours	A., 114, 227, 354	v., 832
„ diethyldibromide	$SnEt_2Br_2$	$C_4H_{10}Br_2Sn$	232–233	....	„	„	v., 827
„ triethyldibromide	$SnEt_3Br$	$C_6H_{15}BrSn$	222–224	....	„	„	v., 829
„ diphenyldibromide	$SnPh_2Br_2$	$C_{12}H_{10}Br_2Sn$	....	38	Aronheim	A., 194, 166	**36**, 250
Tin dimethyldiiodide	$SnMe_2I_2$	$C_2H_6I_2Sn$	228	28	Cahours	A., 114, 369	v., 833
„ trimethyliodide	$SnMe_3I$	C_3H_9ISn	*170*	....	Ladenburg	As., 8, 77	vii., 1160
„ „ (A., 122, 56)	„	„	188–190	....	Cahours	A., 114, 377	v., 833
„ diethyldiiodide ...	$SnEt_2I_2$	$C_4H_{10}I_2Sn$	*245*	*42*	Frankland	P. T. [1852]	v., 827
„ „	„	„	245–246	42	Cahours	J., 12, 421	
„ „ (A., 85, 335)	„	„	245	44·5	Ladenburg	As., 8, 60	
„ diisopropyldiiodide	$SnPr^{\beta}{}_2I_2$	$C_6H_{14}I_2Sn$	265–268	....	Cahours	C. R., 88, 1112	**36**, 919
„ dipropyldiiodide	$SnPr^{\alpha}{}_2I_2$	„	270–273	Liquid −20	„	C. R., 88, 725, 1112	**36**, 622, 918
„ triethyliodide	$SnEt_3I$	$C_6H_{15}ISn$	180–200	A., 84, 326	Löwig	J., 5, 588	
„ „	„	„	*231*	....	Ladenburg	As., 8, 64	vii., 1159
„ „	„	„	235–238	....	Cahours	A., 114, 248, 361	v., 830
„ diisobutyldiiodide	$SnBu^{\beta}{}_2I_2$	$C_8H_{18}I_2Sn$	290–295	Liquid	„	C. R., 89, 68	**36**, 919
„ triisopropyliodide	$SnPr^{\beta}{}_3I$	$C_9H_{21}ISn$	256–258	....	„	C. R., 88, 1112	„
„ tripropyliodide	$SnPr^{\alpha}{}_3I$	„	260–262	Liquid	„	„	**36**, 918
„ „	„	„	262–264	....	„	C. R., 88, 725	**36**, 622
„ „	„	„	*269–270*	....	„	C. R., 76, 133; J. [1873], 519	**26**, 366; vii., 1015
„ triisobutyliodide	$SnBu^{\beta}{}_3I$	$C_{12}H_{27}ISn$	284–286	Liquid	„	C. R., 89, 68	**36**, 919
„ tributyliodide ...	$SnBu^{\alpha}{}_3I$	„	292–296	Liquid	„	C. R., 77, 1403	**27**, 349
„ tripentyliodide	$Sn(C_5H_{11})_3I$	$C_{15}H_{33}ISn$	302–305	Liquid	„	C. R., 89, 68	**36**, 919
Tin trimethylethylate	$SnMe_3.OEt$	$C_5H_{14}OSn$	66	....	Ladenburg	B., 3, 358	
„ triethylhydroxide	$SnEt_3.OH$	$C_6H_{16}OSn$	269–273	43	„	As., 8, 74	vii., 1160
„ „ ...	„	„	*271*	*66*	„	B., 4, 19	
„ „	....	(„)$_n$	....	100	„	As., 8, 74	vii., 1160
„ triethylic formate	$H.CO_2.SnEt_3$	$C_7H_{16}O_2Sn$	....	56–60	....	....	v., 830
„ „ acetate	$CH_3.CO_2.SnEt_3$	$C_8H_{18}O_2Sn$	230	....	....	....	„
„ triethylethylate	$SnEt_3.OEt$	$C_8H_{20}OSn$	190–192	Liquid	Ladenburg	As., 8, 66	vii., 1160
„ triisopropylhydroxide	$SnPr^{\alpha}{}_3.OH$	$C_9H_{22}OSn$	....	cryst.	Cahours	C. R., 88, 1112	**36**, 918
„ triisobutylhydroxide...	$SnBu^{\beta}{}_3.OH$	$C_{12}H_{28}OSn$	311–314	....	„	C. R., 89, 68	**36**, 919
„ triethylic benzoate	$Ph.CO_2.SnEt_3$	$C_{13}H_{20}O_2Sn$	....	80	Kulnicz	J. p., 80, 60	v., 830
„ tripentylhydroxide	$Sn(C_5H_{11})_3.OH$	$C_{15}H_{34}OSn$	335–338 p.d.	Liquid	Cahours and Demarçay	C. R., 89, 68	**36**, 919
„ diphenyldiethylate	$SnPh_2(OEt)_2$	$C_{16}H_{20}O_2Sn$	....	124	Aronheim	A., 194, 172	
„ triphenylhydroxide	$SnPh_3.OH$	$C_{18}H_{16}OSn$	....	117–118	„	A., 194, 174	
Tin tetrathioethylate	$Sn(SEt)_4$	$C_8H_{20}S_4Sn$	200 (i.v.)	Liquid −40	Claesson	B. S. [2], 25, 183; J. p. [2], 15, 193	**31**, 585; **32**, 295
Tin diphenylchlorobromide	$SnPh_2ClBr$	$C_{12}H_{10}ClBrSn$	....	39	Aronheim	A., 194, 160	**36**, 250
Tin diphenylchloriodide	$SnPh_2ClI$	$C_{12}H_{10}ClISn$	....	69	Aronheim	A., 194, 162	**36**, 250
Tin tetrachloride+ethyl-oxide	$SnCl_4+Et_2O$	$C_4H_{10}Cl_4OSn$	....	80	Lewy	C. R., 21, 371	v., 809
„ „ +amyl-alcohol	$SnCl_4+2(C_5H_{11}.OH)$	$C_{10}H_{24}Cl_4O_2Sn$	....	−10 to −17	Bauer and Klein	J. p. [2], 4, 376	vi., 110
„ diphenylhydroxy-chloride	$SnPh_2Cl.OH$	$C_{12}H_{11}ClOSn$	....	187	Aronheim	A., 194, 154	**36**, 249
Fr. 4th amidobenzoic acid	$C_6H_4.NH_3Cl.CO_2H+SnCl_2$	$C_7H_8Cl_3O_2NSn$	....	143	Fittica	B., 8, 710, 742	**26**, 1195
Fr. m-amidobenzoic acid	„	„	....	250	„	„	„

	Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ti.	Titanium tetrachloride +acetylchloride	$TiCl_4+AcCl$	$C_2H_3Cl_5OTi$	....	25–30	Bertrand	B. S. [2], 33, 403	**38**, 624
	„ ethoxytrichloride	$TiCl_3.OEt$	$C_2H_5Cl_3OTi$	186–188	76–78	Bedson	....	**29**, 313
	„ tetrachloride +ethyloxide	$TiCl_4+Et_2O$	$C_4H_{10}Cl_4OTi$	118–120	42–45	„	....	„
	„ tetrachloride +benzoylchloride	$TiCl_4+BzCl$	$C_7H_5Cl_5OTi$	....	65	Bertrand	B. S. [2], 34, 631	**40**, 273
Tl.	Thallium diethylchloride....	$TlEt_2Cl$	$C_4H_{10}ClTl$	B., 7, 301	d. 190	Hartwig	A., 176, 257	**28**, 1003
	„ „	„	„	....	d. 225	Hansen	B., 3, 10	
	Thallium diethyliodide	$TlEt_2I$	$C_4H_{10}ITl$	B., 7, 301	d. 195	Hartwig	A., 176, 257	**28**, 1003
	Thallium formate	$H.CO_2Tl$	CHO_2Tl	....	b. 100	Kuhlmann	C. R., 58, 1037	v., 754
	„ ethylate....	$Tl.OEt$	C_2H_5OTl	....	— 3	Lamy	C. R., 55, 286	v., 757
	Dithallium mallate	$CO_2Tl.CH_2.CH(OH).CO_2Tl$	$C_4H_4O_5Tl_2$	....	b. 100	Kuhlmann	C. R., 58, 1037	v., 754
	Thallium diethylhydroxide	$TlEt_2.OH$	$C_4H_{11}OTl$	B., 7, 301	d. 211	Hartwig	A., 176, 257	**28**, 1004
	„ isoamylate	$Tl(O.C_5H_{11})$	$C_5H_{11}OTl$	....	Liquid 20	Lamy	C. R., 55, 286	v., 757
	„ diethylacetate	$TlEt_2.OAc$	$C_6H_{13}O_2Tl$	245 s.d.	212	Hartwig	A., 176, 257 ; B., 7, 300	**27**, 675 ; **28**, 1003
	Thallium diethylsulphate	$(TlEt_2)_2SO_4$	$C_8H_{20}O_4STl_2$	B., 3, 11 ; 7, 300	d. 205	Hartwig	A., 176, 257	**28**, 1003
	Thallium diethylnitrate	$(TlEt_2)NO_3$	$C_4H_{10}O_3NTl$	B., 3, 11 ; 7, 300	d. 236	Hartwig	A., 176, 257	**28**, 1003
	Thallium diethylphosphate	$(TlEt_2)_3PO_4$	$C_{12}H_{30}O_4PTl_3$	B., 7, 300	d. 189	Hartwig	A., 176, 257	
	Thallium thiocarbamide sulphate	$CS(NH_2)_2TlSO_4$	$CH_4O_4S_2N_2Tl$	....	140–145 p.d.	Prätorius and Seidler	J. p. [2], 21, 129	**38**, 372
V.	Vanadium oxychloride +Et_2O	$Et_2O+VOCl_3$	$C_4H_{10}Cl_3O_2V$	....	b. 20	Bedson	....	**29**, 311
W.	Tungsten tetramethyl-diiodide	WMe_4I_2	$C_4H_{12}I_2W$	J. [1856], 373	110	Cahours	A., 122, 70; J. [1861], 353	v., 915
Zn.	Zinc dimethide (A., 85, 347)	$ZnMe_2$	C_2H_6Zn	*46*	A., 173, 147	Frankland and Duppa	A., 130, 119	**17**, **30** ; v., 1078
	„ „ (A., 111, 62 ; 144, 2)	„	„	47	Liquid	Ladenburg	B., 6, 1030	**27**, 41
	„ diethide (A., 95, 28 ; 123, 245 ; 126, 248 ; 152, 220, 321 ; 174, 302 ; B. S., 2, 51)	$ZnEt_2$	$C_4H_{10}Zn$	118	Liquid —22	Frankland and Duppa	J., 8, 577	v., 1076
	Zinc dipropide	$ZnPr^a_2$	$C_6H_{14}Zn$	142–143	....	Gladstone & Tribe	B. S., 19, 552 ; 21, 130	
	„ „ (B., 6, 1137)	„	„	*146*	Liquid	„	J. [1873], 518	**26**, 968 ; **39**, 6
	„ „	„	„	148	....	Schtscherbakow	B., 14, 1711	
	„ „	„	„	150	....	Pape	B., 14, 1873	
	„ „	„	„	158–160	....	Cahours	B. S. [2], 20, 190	
	„ diisobutide	$ZnBu^\beta_2$	$C_8H_{18}Zn$	*166*	....	Thurnlackh	A., 223, 166	**46**, 1117
	„ „ (B. S., 21, 357)	„	„	185–188	Liquid	Cahours	C. R., 77, 1403	**27**, 349
	„ diisoamyl (A., 130, 122)	$Zn(C_5H_{11})_2$	$C_{10}H_{22}Zn$	220	....	Frankland	J., 16, 473	v., 1075
	„ „ (A., 85, 360)	„	„	220	....	Gladstone & Tribe	....	**26**, 680

Name.	Constitution.	Formula.	Boiling Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Zinc ethylbromide	ZnEtBr	C_2H_5BrZn	....	62	Gladstone & Tribe	27, 411	vii., 478
Zinc acetate	$Zn(OAc)_2$	$C_4H_6O_4Zn$	....	190–195	Larocque	B., 12, 13	
" " (A., 34, 220)....	"	"	....	*241–242*	Franchimont	"	**36**, 452
" "	"	"	$+2H_2O$	235–237	"	"	"
" methoxysuccinate	$CO_2.CH(OMe).CH_2.CO_2.Zn$	$C_5H_6O_5Zn$	....	d. 220	Purdie	....	**47**, 864, 872
" β-hydroxypropionate	$[CH_2(OH).CH_2.CO_2]_2Zn$	$C_6H_{10}O_6Zn$	$+4H_2O$	b. 60	Wislicenus	J. p. [2], 7, 44	**24**, 236
" valerate	$(C_4H_9.CO_2)_2Zn$	$C_{10}H_{18}O_4Zn$	....	140	....	....	v., 977
" methylpropylacetate	$(CHMePr^{\alpha}.CO_2)_2Zn$	$C_{12}H_{22}O_4Zn$	....	72	Liebermann	B., 17, 920	**46**, 1120
" "	"	"	....	72	Kelbe & Warth	B., 15, 310	
" œnanthylate	$(C_6H_{13}.CO_2)_2Zn$	$C_{14}H_{26}O_4Zn$	....	130	Grimshaw	26, 1079	vii., 870
" "	"	"	....	131–132	Franchimont	A., 165, 237	"
" octylate	$(C_7H_{15}.CO_2)_2Zn$	$C_{16}H_{30}O_4Zn$	....	135–136	Remsen	A., 171, 380	**27**, 1155
" caprylate	"	"	....	136	"	"	"
" β-benzoylbenzoate	$(C_6H_4Bz.CO_2)_2Zn$	$C_{28}H_{18}O_6Zn$	$+2H_2O$	140	Plascuda	B., 7, 987	**26**, 75
" oleate	$(C_{17}H_{33}.CO_2)_2Zn$	$C_{36}H_{66}O_4Zn$	....	b. 100	Chevreul	Recherches, 205	iv., 194
Oxalmethyline+$ZnCl_2$	$(C_4H_6N_2.HCl)_2.ZnCl_2$	$C_8H_{14}Cl_4N_4Zn$	....	128	Wallach and Schulze	B., 14, 423	**40**, 572
Ethylglyoxaline methylzincochloride	$(C_3H_3N:NEt.MeCl)_2.ZnCl_2$	$C_{12}H_{22}Cl_4N_4Zn$	....	157–159	Wallach	B., 16, 535	**44**, 911
Oxalpropyline+$ZnCl_2$ ...	$(C_8H_{14}N_2.HCl)_2.ZnCl_2$	$C_{16}H_{30}Cl_4N_4Zn$	....	92	Wallach and Schulze	B., 14, 424	**40**, 573
Oxalisoamylisoamyline +$ZnCl_2$	$[C_7H_{11}(C_5H_{11})N_2.HCl]_2ZnCl_2$	$C_{24}H_{46}Cl_4N_4Zn$	....	86–87	Radziszewsky and Szul	B., 17, 1296	**46**, 986
Malachite green zincochloride	$3(C_{23}H_{24}N_2.HCl).2ZnCl_2$	$C_{69}H_{76}Cl_7N_6Zn_2$	....	130 d.	Doebner	B., 13, 2224	**40**, 165
Triethylphosphine oxide +ZnI_2	$2(Et_3PO).ZnI_2$	$C_{12}H_{30}I_2O_2P_2Zn$	....	99	....	....	iv., 613

PART III.

1. Vapour tension and boiling point tables of simple substances.
2. Ditto of mixed substances, such as mixed liquids and saline solutions.
3. Freezing and melting points of mixtures, including cryohydrates.
4. Miscellaneous melting and boiling point data, such as melting and boiling points of fats, oils, &c.
5. Volumes and corresponding years of issue of the more important chemical and physical periodicals.
6. Alphabetical index of root carbon compounds.

N.B.—When there are several series of observations of the vapour tensions or boiling points of the same substance the series which is considered the most reliable is frequently indicated by an asterisk.

I.—VAPOUR TENSION AND BOILING POINT TABLES OF SIMPLE SUBSTANCES.

Mercury.—*Regnault*, M.A.S. 21, 502; 26, 520; P.A. 111, 411; Watts' Dict., iii., 94. *Ramsay and Young*, **47**, 656; **49**, 37. *Carnelley.* Results obtained in 1880, but not yet published.

°	Ramsay and Young.	Regnault.	Carnelley.	Hagen.	Hertz.
	mm.	mm.	mm.	mm.	mm.
0	....	0·0200	[0·00021]	0·015	0·00019
10	....	0·0268		0·018	0·00050
20	....	0·0372		0·021	0·0013
30	*	0·0530		0·026	0·0029
40	0·008	0·0767		0·033	0·0063
50	0·015	0·1120		0·042	0·013
60	0·029	0·1643		0·055	0·026
70	0·052	0·2410		0·074	0·050
80	0·092	0·3528		0·102	0·093
90	0·160	0·5142		0·144	0·165
100	0·270	0·7455		0·210	0·285
107	....	1·000			
110	0·445	1·0734		....	0·478
120	0·719	1·5341	[0·51]	....	0·779
130	1·137	2·1752		....	1·24
135	1·409				
140	1·754	3·0592		....	1·93
145	2·172				
150	2·680	4·2664		....	2·93
155	3·287				
160	4·013	5·9002		....	4·38
165	4·879				
170	5·904	8·0912		....	6·41
175	7·116				
180	8·535	11·00		....	9·23
185	10·204				
190	12·137	14·84		....	13·07
195	14·403				
200	17·015	19·90		16·0	18·25
205	20·028				
210	23·482	26·35		....	25·12
215	27·447				
220	31·957	34·70		....	34·90
225	37·083	....		W., 16, 618; N., 26, 167	W., 17, 199
230	42·919	45·35			
235	49·466				
240	56·919	58·82			
245	65·241				
250	74·592	75·75			
255	85·010				
260	96·661	96·73			
265	109·556				
270	123·905	123·01	122·3		
275	139·802				
280	157·378	155·17	157·8		
285	176·733				
290	197·982	194·46	201·0		
295	221·251				
300	246·704	242·15	254·0		
305	274·443				
310	304·794	299·69			
315	337·753	....	333·0		
320	373·528	368·73	350·0		
325	412 249				
330	454·277	450·91	425·0		
335	499·656				
340	548·715	548·35	525·0		
345	601·583				
350	658·515	663·18	650·0		
355	719·772				

The values in brackets were obtained by extrapolation.

The temperatures above 300° were determined by metallic salts of known m.ps.

°	Ramsay and Young.	Regnault.	Carnelley.
	mm.	mm.	mm.
360	785·107	797·74	800·
365	855·223		
370	930·335	954·65	960·
375	1010·47		
380	1096·22	1139·65	1120·
385	1186·67		
390	1283·71	1346·71	1390·
395	1386·60		
400	1495·60	1587·96	1629·
405	1611·19		
410	1733·79	1863·73	1830·
415	1863·36		
420	2000·21	2177·53	2120·
425	2145·57		
430	2298·80	2533·01	2420·
435	2459·41		
440	2628·79	2933·99	2800·
445	2807·53		
450	2996·06	3384·35	3179·
455	3192·69		
460	3399·50	3888·14	3530·
465	3616·22		
470	3843·68	4449·45	3950·
475	4080·10		
480	4327·14	5072·43	4500·
485	4585·95		
490	4856·74	5761·32	4950·
495	5139·89		
500	5434·99	6520·25	5446·
505	5741·86		
510	6059·16	7353·44	5930·
515	6391·49		
520	6736·60	8264·96	6553·

The following have been obtained by Ramsay and Young.

P.	T.	T.
mm.	°	°
10	177·0	184·3
50	233·9	235·5
100	261·3	261·2
150	278·5	277·97
200	291·3	290·44
300	310·0	309·21
400	324·0	323·44
500	335·2	335·03
600	344·7	344·87
700	352·9	353·48
800	360·1	361·0
900	366·8	368·0
1000	372·4	374·2
1500	396·2	400·1
2000	....	420·0
3000	....	450·1
5000	....	492·6
	P. M. [5], 20, 524	P. M. [5], 21, 51

Bromine.
Ramsay and Young. **49**, 458.

° s.	mm.
−16·65	20
−14·	25
−12·	30
−10·05	35
− 8·4	40
− 7·0	45
− 7·1 m.p.	
− 5·05 l.	50
+ 8·20	100
16·95	150
23·45	200
33·05	300
40·45	400
46·80	500
51·95	600
56·30	700
58·75	760

Hydrogen.
c.t.—174·2 (98·9 ats.) calcd. Sarrau, W. 20, 254; b.p.—215 (760) calcd. Mills, C.N. 50, 179; compressed—140 (650 ats.), and pressure released gives momentary liquefaction and solidification. Pictet, C.R. 86, 106; viii., 857; liquefies in boiling O (100—200 ats.). Wroblewski and Olzewski; approaches liquefaction—200. Wroblewski, M.C. 6, 204; **48**, 715; grey cloud—208 to —211, *ibid.*; C.R. 100, 982; **48**, 861; does not obey Charles' Law, b.—193, *ibid.*; still gaseous—220 (180 ats.). Olzewski, C.R. 101, 238; **48**, 1101.

Iodine.—Ramsay and Young. **49**, 460.

°	mm.
85 s.	20
92·2	30
102·15	50
109·05	70
114·15	90
114·2 m.p.	
117·0 l.	100
128·9	150
137·05	200
150·7	300
160·9	400
169·05	500
176·0	600
182·0	700
185·3	700

Nitrogen.

c.—29 (300 ats.) and suddenly released. Cailletêt, C.R. 85; A.C. [5], 15, 132.

b.p.—123·8 (42·1 ats.), calcd. Sarrau, C.R. [1882].

Olzewski, C.R. 99, 133; 100, 350; 101, 238; B. r. 18, 136; **46**, 1257; **48**, 475; **48**, 1101:—

°	mm.
—225	4
s.—214	60
—213	(i.v.)
—194·4	760
	ats.
—160·5	17
—148·2	31
c.t.—146	35

Wroblewski, C.R. 100, 979; 102, 1011; M.C. 6, 204; B. r. 18, 312; **48**, 715, 861:—

°	mm.
—206	42
—204	60
s.—203	65
—202·5	70
—202·	79·8
—201·7	80
—201·25	100
—201·	120
—193·	740
	ats.
—193·2	1
—153·7	20·7
—146·6	32·2
c.t.—146·35	32·08

	ats.
—146·45	32·40
—146·55	32·28
—146·5	32·14
—146·7	31·98

—146·81	31·25
—147·0	30·905
—147·45	30·59
—147·65	30·305
—147·72	30·025

—146·85	31·47
—147·3	30·556
—147·67	29·945
—148·02	29·322
—148·205	28·657

Nitrogen (continued):—

°	ats.
—148·91	27·465
—149·15	26·867

—149·925	26·414
—150·05	25·93
—150·4	25·093

—150·9	24·896
—151·01	24·465
—151·2	23·578
—151·55	23·217

—151·79	23·087
—151·925	22·877

—153·24	21·462
—153·46	21·103
—153·67	20·672
—153·95	19·521
—154·15	19·027
—154·35	18·693

—154·85	18·573
—155·04	18·193

The following observations were obtained with rising pressure:—

°	ats.
—160·22	14·09
—159·61	14·48
—158·85	14·93
—158·125	15·26
—157·675	15·46

—157·54	15·395
—158·57	15·00
—159·51	14·605
—160·06	14·07

—147·5	30·845
—147·45	30·945
—147·35	31·04
—147·2	31·145

For *Air* and mixtures of O and N, see next column but two.

Oxygen.

—140 (320 ats.) and pressure suddenly released produces momentary liquefaction. Pictêt, C.R. 85, 1214, 1276; 86, 37, 106; C.N. 37, 1, 83; viii., 857.

—29 (300 ats.) and pressure suddenly released produces liquefaction.

Oxygen (continued):—

Cailletêt, C.R. 85; A.C. [5], 15, 132. c.t.—113 (*ibid.*). C.R. 86, 97; N. 32, 584.

c.t.—113 (50 ats.) quoted by Dewar, P.M. [5], 18, 214=Wroblewsky, C.R. 97, 309.

°	* mm.
m.b.—211·5	4·
—211·5	9·
—181·4	760·
	ats.
—175·4	2·16
—166·1	4·25
—159·9	6·23
—155·6	8·23
—151·6	10·24
—148·6	12·3
—146·8	13·7
—130·3	32·6
—129·0	34·4
—128·0	36·3
—126·8	38·1
—125·6	40·4
—124·0	43·0
—122·6	45·5
—121·6	46·7
—120·7	47·6
—119·5	49·7
c.t.—118·8	50·8

Olzewski, C.R. 100, 351; B. r. 18, 137.

Wroblewski, C.R. 100, 981; 102, 1010; M.C. 6, 204; B.r. 18, 312; 19, 382; **48**, 715, 861:—

°	mm.
—200·4 is still liquid	20
—199·95	22
—199·4	26
—199·25	28
—198·7	30
—198·7	32
—198·3	36
—198·	38
—197·7	40
—197·5	42
—196·6	44
—196·3	47
—196·2	50
—196·0	52
—195·5	54
—195·44	56
—195·3	58

Oxygen (continued):—

°	mm.
—195·13	59
—194·4	60
—194·2	62
—193·58	64
—193·1	68
—192·71	71
—192·53	74
—192·31	76
—192·3	77
—192·13	78
—191·98	80
—191·88	82
—191·6	84
—191·35	86
—190·8	90
—190·5	100
—190·05	140
—190·0	160
—181·5	740
	ats.
c.t.—118·0	50

°	mm.
—123·7	43·5
—124·3	42·4
—124·85	41·47
—125·2	41·15
—125·4	40·75
—125·55	40·34
—125·9	39·91
—126·3	39·41
—126·8	39·09
—127·1	38·68
—127·5	38·25
—127·85	37·94
—128·0	37·53
—128·6	37·03

—129·0	36·61
—129·2	36·22
—129·3	35·91
—129·5	35·55
—129·8	35·28
—130·1	34·86
—130·05	34·65
—130·8	34·32
—131·1	34·07
—131·45	33·75
—131·7	33·49
—131·8	33·19
—132·0	32·94
—132·3	32·65
—132·6	32·4

—133·2	31·675
—134·1	30·51
—135·1	29·46
—135·85	28·395
—136·8	27·35
—137·65	26·45

Oxygen (continued):—

°	mm.
—138·15	25·65
—138·7	25·04

—140·46	23·28
—140·69	22·09
—141·17	21·21
—141·58	20·63
—142·48	19·97
—142·97	19·39
—143·27	19·10
—143·85	18·61
—144·17	18·22
—144·4	17·98
—144·63	17·74
—144·97	17·38
—145·2	17·20
—145·3	17·02
—145·52	16·83
—145·72	16·62
—145·89	16·37

Ramsay and Young, P.M. [5], 21, 42–44. Calculated from Olzewski and Wroblewski's numbers:—

°	mm.
—209·5	9
—201·4	50
—197·2	100
—194·4	150
—189·5	300
—187·5	400
—185·5	500
—184·0	600
—182·6	700
—181·4	800
—179·3	1000
—175·1	1500
—172·0	2000
—167·1	3000
—160·0	5000
—148·6	10000
—140·8	15000
—134·5	20000
—125·1	30000
—117·4	40000

Air.

(Mixture of N and O.) Cailletêt, C.R. 85, 1016; J. [1877], 68:—

°	ats.
c.— 27	300 suddenly released.
	ats.
—140	200

Air (continued):—

Waals, W.B. 1, 10:—

°	ats.
c.t.—158	14·5

Wroblewski, C.N. 51, 174; M.C. 6, 204; C.R. 102, 1011; **48**, 715:—

°	ats.
—191·2	1
	mm.
—187 to —191·4	740
	ats.
—146·6	45

Olzewski, C.R. 99, 184; 101, 239; 46, 1257; 48, 1101:—

°	mm.
—220	10
—205	(i. v.)
	mm.
—191·4	760
	ats.
—176	4·0
—169	6·8
—160·5	12·5
—158·5	14·0
—152·0	20·
—146	27·5
—142	33·
c.t.—140	39·

Mixture of 1 vol. Air and 1 vol. N. Olzewski, C.R. 101, 239; 48, 1101:—

°	mm.
—220	13
Still liquid	4

Mixture of 2 vols. H and 1 vol. O. *Ibid.*:— Remains liquid at —213° and under high pressure.

Phosphorus.

Joubert, C.R. [1874]; B., 7, 1038.

°	mm.
5	·03
10	·05
20	·11
30	·25
40	·48
100	3·44

Phosphorus (cont.):—

Troost and Hautefeuille, C.R. 76, 76.
Red Phosphorus, m.p. 255:—

°	ats.
360	0·6
440	1·75

Sulphur.

Ramsay and Young, P.M. [5], 20, 524; 21, 41:—

°	mm.
395·	300
410·7	400
423·1	500
434·0	600
443·1	700
451·6	800
459·0	900
466·0	1000
515·2	2000
547·8	3000

Regnault, M.A.S. 26, 530:—

°	mm.
390	272·31
400	328·98
410	395·20
420	472·11
430	560·98
440	663·11
450	779·89
460	912·74
470	1063·17
480	1232·70
490	1422·88
500	1635·32
510	1871·57
520	2133·30
530	2421·97
540	2739·21
550	3086·51
560	3465·33
570	3877·08

Boron trifluoride, BF_3.

Faraday, P.T. [1845], 155:—

°	ats.
−73·3	4·61
−63·3	7·50
−57·8	9·23
−54·4	10·00
−52·2	11·54

Boron trichloride, BCl_3.

Regnault, M.A.S. 26, 339:—

°	mm.
−20	159·46
−15	200·69
−10	250·54
− 5	310·30
0	381·32
+ 5	465·03
10	562·94
15	676·57
20	807·50
25	957·29
30	1127·50
35	1319·66
40	1535·25
45	1775·69
50	2042·25
55	2336·17
60	2658·52
65	3010·24
70	3392·12
75	3804·79
80	4248·28
85	4720·11

Hydrochloric acid, HCl.

Faraday, P.T. 113, 189; 135, 155:—

°	ats.
−73·3	1·8
−67·8	2·38
−62·2	3·12
−45·5	6·30
−34·4	9·22
−28·9	10·92
−23·3	12·82
−17·8	15·04
− 3·9	23·08
+ 4·4	30·67
10·0	40·0

Ansdell, C.N. 41, 75; P.R. 34, 113:—

°	ats.
4·0	29·8
9·25	33·9
13·8	37·75
18·1	41·8
22·0	45·75
26·75	51·0
33·4	58·85
39·4	66·95
44·8	75·2
48·0	80·8
49·4	84·75
50·56	85·33
c.t. 51·25	—

Hydrochloric acid (continued):—

s.—115, Olzewski, C.N. 51, 174.
c. 15 (25 ats.), Seelig [1886].
c.t. 52·3 (86ats.), Dewar, P.M. [5], 18, 214; C.N. 51, 29.
c.t. 51—51°·5, Vincent and Chappuis, C.R. 100, 1217; **48**, 861.
b.p.—35° (760); c.t. 51·5 (96 ats.). *Ibid.*, C.R. 101, 428.

Mercuric chloride, $HgCl_2$.

Carnelley. Results obtained 1880, but not yet published:—

°	mm.
47	[1·0]
240	200
250	249
260	308
270	379
271	387
s. 275	420
280	465
m.p. 288	554
290	566
300	688
305	757
310	832
320	1002
330	1201
339	1410
340	1434
350	1707
360	2024
370	2389
380	2811
390	3295
400	3850
410	4481

Phosphorus trichloride.

Regnault, M.A.S. 26, 339:—

°	mm.
0	37·98
+ 5	49·09
10	62·88
15	79·85
20	100·55
25	125·59
30	155·65
35	191·45
40	233·78
45	283·46
50	341·39

Phosphorus trichloride (continued):—

°	mm.
55	408·46
60	485·63
65	573·86
70	674·23
75	787·61

Silicon tetrachloride, $SiCl_4$.

Regnault, M.A.S. 26, 339:—

°	mm.
−20	26·49
−15	35·28
−10	46·46
− 5	60·52
0	78·02
+ 5	99·59
10	125·90
15	157·74
20	195·86
25	241·15
30	294·49
35	356·83
40	429·08
45	512·32
50	607·46
55	715·44
60	837·23
65	973·74

Hydriodic acid, HI.

Faraday, P.T. 135, 155:—

°	ats.
−17·8	2·9
0	3·97
+15·6	5·86

Antimony triiodide, SbI_3.

Carnelley. Results obtained in 1880, but not yet published:—

°	mm.
153·4	[1·0]
170	[1·8]
m.p. 171	[1·9]
180	[2·6]
190	[3·6]
200	[5·0]
210	[6·9]
220	[9·4]
230	[12·7]
240	17·0
250	22·5
260	29·7
270	38·8
280	50·0
290	64·6
300	82·4
310	104
320	131

Antimony triiodide (continued):—

°	mm.
330	165
340	204
350	252
360	310
370	377
380	458
390	552
400	662
410	790
420	937
430	1107
440	1301
450	1522
470	2054

Water.

Melts °	Pressure. ats.
− 0·059	8·1
− 0·129	16·8
−18·0	13000·*

·00747° per atmosphere.*
Thomson, iii., 76; *Mousson, A.C. [3], 56, 252.

Regnault, M.A.S. 21, 624; expressed in mm. reduced to 0°, and 60 mètres above sea level:—

°	mm.
−32	0·320
−30	0·386
−25	0·605
−20	0·927
−15	1·400
−10	2·093
− 5	3·113
0	4·600
+ 5	6·534
10	9·165
15	12·699
20	17·391
25	23·550
30	31·548
35	41·827
40	54·906
45	71·391
50	91·982
55	117·478
60	148·791
65	186·945
70	233·093
75	288·517
80	354·643
85	433·041
90	525·450
91	545·778

Water (continued):—

°	mm.
92	566·757
93	588·406
94	610·740
95	633·778
96	657·535
97	682·029
98	707·280
99	733·305
100	760·00
101	787·59
102	816·01
103	845·28
104	875·41
105	906·41
106	938·31
107	971·14
108	1004·91
109	1039·65
110	1075·37
111	1112·09
112	1149·83
113	1188·61
114	1228·47
115	1269·41
116	1311·47
117	1354·66
118	1399·02
119	1444·55
120	1491·28
121	1539·25
122	1588·47
123	1638·96
124	1690·76
125	1743·88
126	1798·35
127	1854·20
128	1911·47
129	1970·15
130	2030·28
131	2091·94
132	2155·03
133	2219·69
134	2285·92
135	2353·73
136	2423·16
137	2494·23
138	2567·00
139	2641·44
140	2717·63
141	2795·57
142	2875·30
143	2956·86
144	3040·26
145	3125·55
146	3212·74
147	3301·87
148	3392·98
149	3486·09
150	3581·23
151	3678·43
152	3777·74

Water (continued):—

°	mm.
153	3879·18
154	3982·77
155	4088·56
156	4196·59
157	4306·88
158	4419·45
159	4534·36
160	4651·62
161	4771·28
162	4893·36
163	5017·91
164	5144·97
165	5274·54
166	5406·69
167	5541·43
168	5678·82
169	5818·90
170	5961·66
171	6107·19
172	6255·48
173	6406·60
174	6560·55
175	6717·43
176	6877·22
177	7039·97
178	7205·72
179	7374·52
180	7546·39
181	7721·37
182	7899·52
183	8080·84
184	8265·40
185	8453·23
186	8644·35
187	8838·82
188	9036·68
189	9237·95
190	9442·70
191	9650·93
192	9862·71
193	10078·04
194	10297·01
195	10519·63
196	10745·95
197	10975·00
198	11209·82
199	11447·46
200	11688·96
201	11934·37
202	12183·69
203	12437·00
204	12694·30
205	12955·66
206	13221·12
207	13490·75
208	13764·53
209	14042·52
210	14324·80
211	14611·32
212	14902·22
213	15197·48

Water (continued):—

°	mm.
214	15497·17
215	15801·33
216	16109·94
217	16423·15
218	16740·90
219	17063·29
220	17390·36
221	17722·13
222	18058·64
223	18399·94
224	18746·07
225	19097·04
226	19452·92
227	19813·76
228	20179·61
229	20550·48
230	20926·40

Fairbairn and Tate, P.T. 150, 220; iii., 93:—

°	mm.
58·20	135·9
68·51	219·9
70·76	240·0
77·18	316·7
77·49	320·2
79·40	345·9
83·49	406·6
86·83	466·3
92·66	581·2
117·16	1361·7
118·23	1410·1
118·45	1419·6
124·16	1697·7
128·41	1935·4
130·67	2070·8
131·77	2138·9
134·05	2287·9
134·86	2342·6
137·45	2529·8
139·21	2655·2
141·80	2864·6
142·36	2901·9
144·74	3105·1

Herwig, P.A. 137, 19, 592; 141, 84; vi., 682:—

°	mm.
40	54·95
55	117·81
69·8	230·23
85	430·55
95	629·59

Zeuner, Grundzüge der mechanischen Wärmetheorie, 1877:—

°	ats.
100	1
120·60	2

Water (continued):—

°	ats.
133·91	3
144·00	4
152·22	5
159·22	6
165·34	7
170·81	8
175·77	9
180·31	10
184·50	11
188·41	12
192·08	13
195·53	14

Arago and Dulong, A.C. [2], 43, 74:—

°	ats.
100	1
112·2	1·5
121·4	2
135·1	3
145·4	4
153·1	5
160·2	6
166·5	7
172·1	8
181·6	10
190·0	12
197·2	14
203·6	16
209·4	18
214·7	20
226·3	25
236·2	30
244·8	35
252·5	40
265·9	45

Ramsay and Young, P.T. [1884], 477:—

°	* mm.
−15·9	1·0
−15·2	1·25
−13·3	1·45
−11·1	1·65
− 9·7	1·95
− 6·7	2·55
− 5·6	2·85
− 3·7	3·2
− 2·6	3·7

Ibid., P.M. [5], 20, 517, 524; 21, 35:—

°	mm.
11·3	10
38·3	50
51·7	100
60·1	150
66·6	200
75·9	300

Water (continued):—

°	mm.
83·0	400
88·7	500
93·5	600
97·7	700
100·0	760
101·45	800
104·8	900
107·85	1000
120·2	1500
129·5	2000
143·5	3000
154·2	4000
162·85	5000
170·1	6000
177·0	7000
182·9	8000
192·65	10000
212·3	15000
227·5	20000

Magnus, P.A. 61, 225:—

°	mm.
19·9	17·28
24·2	22·48
29·9	31·40
35·0	41·89
40·9	57·66
44·8	70·70
48·4	84·39
49·8	91·05
52·5	104·76
54·1	112·40
57·9	134·88
61·2	157·04
68·7	219·88
72·2	255·81
82·3	388·59

Wüllner, P.A. 103, 541:—

°	mm.
19·9	16·69
24·2	22·25
29·9	30·66
35·0	41·49
40·9	57·61
44·8	70·49
48·4	84·62
49·8	90·14
52·5	103·56
54·1	110·61
57·9	134·24
61·2	156·61
68·7	219·89
72·2	257·00
82·3	391·90

−18 to −2 (1), Luvini, C.R. 98, 1536; **46**, 957.

c.t. 370 (195·5 ats.), Dewar, P.M. [5], 18, 214.

Water (continued):—

c.t. 370 (195 ats.), calcd., Strauss, W.B. [1883], 676.

Brock (Trav. et Mém. du Bur. intern. des Poids et Mes., I.A. 33 [1881]). Vap. tension of Water expressed in Mercury at 0° in 45° Lat. and at sea level, calcd. from Regnault's results:—

* °	mm.
−19·0	1·0288
−18·9	1·0376
·8	1·0465
·7	1·0555
·6	1·0646
·5	1·0737
·4	1·0828
·3	1·0920
·2	1·1013
·1	1·1107
−18·0	1·1202
−17·9	1·1298
·8	1·1394
·7	1·1491
·6	1·1588
·5	1·1686
·4	1·1785
·3	1·1885
·2	1·1985
·1	1·2086
−17·0	1·2187
−16·9	1·2290
·8	1·2393
·7	1·2497
·6	1·2602
·5	1·2707
·4	1·2814
·3	1·2922
·2	1·3030
·1	1·3139
−16·0	1·3248
−15·9	1·3358
·8	1·3470
·7	1·3582
·6	1·3695
·5	1·3809
·4	1·3924
·3	1·4039
·2	1·4155
·1	1·4272
−15·0	1·4390
−14·9	1·4509
·8	1·4629
·7	1·4750
·6	1·4872
·5	1·4994
·4	1·5117
·3	1·5241

Water (continued):—

°	mm.
−14·2	1·5366
·1	1·5492
−14·0	1·5618
−13·9	1·5745
·8	1·5874
·7	1·6004
·6	1·6135
·5	1·6267
·4	1·6399
·3	1·6532
·2	1·6667
·1	1·6803
−13·0	1·6939
−12·9	1·7076
·8	1·7214
·7	1·7353
·6	1·7493
·5	1·7634
·4	1·7776
·3	1·7920
·2	1·8065
·1	1·8210
−12·0	1·8357
−11·9	1·8504
·8	1·8653
·7	1·8802
·6	1·8953
·5	1·9105
·4	1·9258
·3	1·9412
·2	1·9567
·1	1·9723
−11·0	1·9880
−10·9	2·0038
·8	2·0198
·7	2·0359
·6	2·0520
·5	2·0683
·4	2·0847
·3	2·1012
·2	2·1178
·1	2·1346
−10·0	2·1514
− 9·9	2·1683
·8	2·1854
·7	2·2026
·6	2·2199
·5	2·2374
·4	2·2550
·3	2·2727
·2	2·2905
·1	2·3085
− 9·0	2·3266
− 8·9	2·3448
·8	2·3632
·7	2·3816
·6	2·4002
·5	2·4189
·4	2·4378
·3	2·4567
·2	2·4758

Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—	
°	mm.	°	mm.	°	mm.	°	mm.	°	mm.	°	mm.
−8·1	2·4950	−2·0	3·9499	4·1	6·1118	10·2	9·2623	16·3	13·7705	22·4	20·1130
−8·0	2·5143	−1·9	3·9790	·2	6·1546	·3	9·3241	·4	13·8582	·5	20·2355
−7·9	2·5338	·8	4·0082	·3	6·1977	·4	9·3863	·5	13·9464	·6	20·3586
·8	2·5534	·7	4·0376	·4	6·2410	·5	9·4488	·6	14·0351	·7	20·4824
·7	2·5731	·6	4·0672	·5	6·2846	·6	9·5117	·7	14·1243	·8	20·6068
·6	2·5930	·5	4·0970	·6	6·3285	·7	9·5750	·8	14·2141	·9	20·7319
·5	2·6130	·4	4·1271	·7	6·3727	·8	9·6387	·9	14·3043	23·0	20·8576
·4	2·6332	·3	4·1574	·8	6·4171	·9	9·7027	17·0	14·3950	·1	20·9840
·3	2·6535	·2	4·1878	·9	6·4618	11·0	9·7671	·1	14·4862	·2	21·1110
·2	2·6740	·1	4·2185	5·0	6·5067	·1	9·8318	·2	14·5779	·3	21·2388
·1	2·6946	−1·0	4·2493	·1	6·5519	·2	9·8969	·3	14·6702	·4	21·3672
−7·0	2·7153	−0·9	4·2803	·2	6·5974	·3	9·9624	·4	14·7630	·5	21·4964
−6·9	2·7362	·8	4·3116	·3	6·6432	·4	10·0283	·5	14·8563	·6	21·6262
·8	2·7572	·7	4·3430	·4	6·6893	·5	10·0946	·6	14·9501	·7	21·7567
·7	2·7784	·6	4·3747	·5	6·7357	·6	10·1614	·7	15·0444	·8	21·8879
·6	2·7997	·5	4·4065	·6	6·7824	·7	10·2285	·8	15·1392	·9	22·0198
·5	2·8211	·4	4·4385	·7	6·8293	·8	10·2960	·9	15·2345	24·0	22·1524
·4	2·8427	·3	4·4708	·8	6·8765	·9	10·3639	18·0	15·3304	·1	22·2857
·3	2·8644	·2	4·5032	·9	6·9240	12·0	10·4322	·1	15·4268	·2	22·4196
·2	2·8863	·1	4·5359	6·0	6·9718	·1	10·5009	·2	15·5237	·3	22·5543
·1	2·9083	0·0	4·5687	·1	7·0198	·2	10·5700	·3	15·6212	·4	22·6898
−6·0	2·9304	+0·1	4·6017	·2	7·0682	·3	10·6394	·4	15·7192	·5	22·8259
−5·9	2·9527	·2	4·6350	·3	7·1168	·4	10·7093	·5	15·8178	·6	22·9628
·8	2·9751	·3	4·6685	·4	7·1658	·5	10·7796	·6	15·9169	·7	23·1003
·7	2·9977	·4	4·7022	·5	7·2150	·6	10·8503	·7	16·0166	·8	23·2386
·6	3·0205	·5	4·7361	·6	7·2646	·7	10·9214	·8	16·1168	·9	23·3777
·5	3·0434	·6	4·7703	·7	7·3145	·8	10·9928	·9	16·2176	25·0	23·5174
·4	3·0665	·7	4·8047	·8	7·3647	·9	11·0647	19·0	16·3189	·1	23·6579
·3	3·0898	·8	4·8393	·9	7·4152	13·0	11·1370	·1	16·4208	·2	23·7991
·2	3·1132	·9	4·8741	7·0	7·4660	·1	11·2097	·2	16·5233	·3	23·9411
·1	3·1368	1·0	4·9091	·1	7·5171	·2	11·2829	·3	16·6263	·4	24·0838
−5·0	3·1605	·1	4·9443	·2	7·5685	·3	11·3564	·4	16·7299	·5	24·2272
−4·9	3·1844	·2	4·9798	·3	7·6202	·4	11·4304	·5	16·8341	·6	24·3714
·8	3·2084	·3	5·0155	·4	7·6722	·5	11·5048	·6	16·9388	·7	24·5164
·7	3·2326	·4	5·0515	·5	7·7246	·6	11·5797	·7	17·0441	·8	24·6620
·6	3·2570	·5	5·0877	·6	7·7772	·7	11·6550	·8	17·1499	·9	24·8084
·5	3·2815	·6	5·1240	·7	7·8302	·8	11·7307	·9	17·2563	26·0	24·9556
·4	3·3062	·7	5·1606	·8	7·8834	·9	11·8069	20·0	17·3632	·1	25·1035
·3	3·3310	·8	5·1975	·9	7·9370	14·0	11·8835	·1	17·4707	·2	25·2523
·2	3·3560	·9	5·2346	8·0	7·9909	·1	11·9605	·2	17·5789	·3	25·4018
·1	3·3812	2·0	5·2719	·1	8·0452	·2	12·0380	·3	17·6877	·4	25·5521
−4·0	3·4065	·1	5·3094	·2	8·0998	·3	12·1159	·4	17·7971	·5	25·7032
−3·9	3·4320	·2	5·3472	·3	8·1547	·4	12·1943	·5	17·9071	·6	25·8551
·8	3·4576	·3	5·3852	·4	8·2099	·5	12·2731	·6	18·0176	·7	26·0077
·7	3·4834	·4	5·4235	·5	8·2655	·6	12·3523	·7	18·1288	·8	26·1612
·6	3·5095	·5	5·4620	·6	8·3214	·7	12·4320	·8	18·2406	·9	26·3155
·5	3·5357	·6	5·5008	·7	8·3777	·8	12·5122	·9	18·3529	27·0	26·4705
·4	3·5620	·7	5·5398	·8	8·4342	·9	12·5928	21·0	18·4659	·1	26·6263
·3	3·5886	·8	5·5790	·9	8·4911	15·0	12·6739	·1	18·5795	·2	26·7830
·2	3·6153	·9	5·6185	9·0	8·5484	·1	12·7554	·2	18·6937	·3	26·9405
·1	3·6422	3·0	5·6582	·1	8·6061	·2	12·8374	·3	18·8085	·4	27·0987
−3·0	3·6693	·1	5·6981	·2	8·6641	·3	12·9198	·4	18·9240	·5	27·2578
−2·9	3·6966	·2	5·7383	·3	8·7224	·4	13·0027	·5	19·0400	·6	27·4177
·8	3·7240	·3	5·7788	·4	8·7810	·5	13·0861	·6	19·1567	·7	27·5784
·7	3·7516	·4	5·8195	·5	8·8400	·6	13·1700	·7	19·2740	·8	27·7399
·6	3·7794	·5	5·8605	·6	8·8993	·7	13·2543	·8	19·3920	·9	27·9023
·5	3·8074	·6	5·9017	·7	8·9589	·8	13·3392	·9	19·5105	28·0	28·0654
·4	3·8355	·7	5·9432	·8	9·0189	·9	13·4245	22·0	19·6297	·1	28·2294
·3	3·8638	·8	5·9850	·9	9·0792	16·0	13·5103	·1	19·7496	·2	28·3942
·2	3·8923	·9	6·0270	10·0	9·1398	·1	13·5965	·2	19·8701	·3	28·5599
·1	3·9210	4·0	6·0693	·1	9·2009	·2	13·6832	·3	19·9912	·4	28·7265

Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—	
°	mm.	°	mm.	°	mm.	°	mm.	°	mm.	°	mm.
28·5	28·8939	34·6	40·8664	40·7	56·9540	46·8	78·2696	52·9	106·1351	59·0	142·0973
·6	29·0622	·7	41·0942	·8	57·2580	·9	78·6697	53·0	106·6546	·1	142·7640
·7	29·2313	·8	41·3231	·9	57·5633	47·0	79·0714	·1	107·1764	·2	143·4334
·8	29·4013	·9	41·5531	41·0	57·8700	·1	79·4749	·2	107·7005	·3	144·1054
·9	29·5722	35·0	41·7842	·1	58·1781	·2	79·8802	·3	108·2268	·4	144·7801
29·0	29·7439	·1	42·0164	·2	58·4877	·3	80·2874	·4	108·7553	·5	145·4575
·1	29·9165	·2	42·2498	·3	58·7988	·4	80·6963	·5	109·2860	·6	146·1376
·2	30·0900	·3	42·4843	·4	59·1113	·5	81·1071	·6	109·8190	·7	146·8204
·3	30·2644	·4	42·7199	·5	59·4252	·6	81·5197	·7	110·3542	·8	147·5059
·4	30·4396	·5	42·9567	·6	59·7406	·7	81·9341	·8	110·8916	·9	148·1940
·5	30·6157	·6	43·1946	·7	60·0575	·8	82·3503	·9	111·4312	60·0	148·8848
·6	30·7928	·7	43·4337	·8	60·3758	·9	82·7684	54·0	111·9730	·1	149·5784
·7	30·9707	·8	43·6739	·9	60·6955	48·0	83·1883	·1	112·5171	·2	150·2747
·8	31·1494	·9	43·9152	42·0	61·0167	·1	83·6100	·2	113·0634	·3	150·9738
·9	31·3291	36·0	44·1577	·1	61·3394	·2	84·0336	·3	113·6120	·4	151·6757
30·0	31·5096	·1	44·4013	·2	61·6636	·3	84·4590	·4	114·1629	·5	152·3804
·1	31·6910	·2	44·6462	·3	61·9893	·4	84·8862	·5	114·7161	·6	153·0879
·2	31·8734	·3	44·8922	·4	62·3164	·5	85·3153	·6	115·2716	·7	153·7982
·3	32·0567	·4	45·1394	·5	62·6450	·6	85·7462	·7	115·8293	·8	154·5112
·4	32·2410	·5	45·3878	·6	62·9751	·7	86·1789	·8	116·3893	·9	155·2270
·5	32·4262	·6	45·6374	·7	63·3067	·8	86·6135	·9	116·9516	61·0	155·9456
·6	32·6124	·7	45·8882	·8	63·6398	·9	87·0499	55·0	117·5162	·1	156·6671
·7	32·7995	·8	46·1402	·9	63·9744	49·0	87·4882	·1	118·0831	·2	157·3914
·8	32·9875	·9	46·3934	43·0	64·3104	·1	87·9284	·2	118·6524	·3	158·1186
·9	33·1765	37·0	46·6477	·1	64·6479	·2	88·3705	·3	119·2241	·4	158·8486
31·0	33·3664	·1	46·9032	·2	64·9870	·3	88·8146	·4	119·7982	·5	159·5815
·1	33·5573	·2	47·1600	·3	65·3277	·4	89·2606	·5	120·3746	·6	160·3173
·2	33·7491	·3	47·4180	·4	65·6700	·5	89·7086	·6	120·9534	·7	161·0559
·3	33·9419	·4	47·6773	·5	66·0138	·6	90·1586	·7	121·5346	·8	161·7974
·4	34·1356	·5	47·9378	·6	66·3593	·7	90·6105	·8	122·1182	·9	162·5417
·5	34·3303	·6	48·1996	·7	66·7063	·8	91·0644	·9	122·7042	62·0	163·2889
·6	34·5259	·7	48·4626	·8	67·0549	·9	91·5202	56·0	123·2925	·1	164·0390
·7	34·7225	·8	48·7268	·9	67·4050	50·0	91·9780	·1	123·8832	·2	164·7921
·8	34·9201	·9	48·9923	44·0	67·7568	·1	92·4378	·2	124·4764	·3	165·5482
·9	35·1186	38·0	49·2590	·1	68·1101	·2	92·8995	·3	125·0720	·4	166·3073
32·0	35·3181	·1	49·5270	·2	68·4650	·3	93·3632	·4	125·6700	·5	167·0693
·1	35·5186	·2	49·7963	·3	68·8215	·4	93·8289	·5	126·2705	·6	167·8342
·2	35·7201	·3	50·0668	·4	69·1796	·5	94·2966	·6	126·8734	·7	168·6021
·3	35·9226	·4	50·3386	·5	69·5393	·6	94·7662	·7	127·4788	·8	169·3730
·4	36·1261	·5	50·6117	·6	69·9006	·7	95·2378	·8	128·0866	·9	170·1468
·5	36·3307	·6	50·8861	·7	70·2636	·8	95·7114	·9	128·6968	63·0	170·9236
·6	36·5363	·7	51·1618	·8	70·6281	·9	96·1869	57·0	129·3095	·1	171·7034
·7	36·7429	·8	51·4388	·9	70·9942	51·0	96·6644	·1	129·9247	·2	172·4863
·8	36·9505	·9	51·7170	45·0	71·3619	·1	97·1439	·2	130·5424	·3	173·2722
·9	37·1592	39·0	51·9965	·1	71·7313	·2	97·6255	·3	131·1627	·4	174·0611
33·0	37·3689	·1	52·2773	·2	72·1024	·3	98·1093	·4	131·7855	·5	174·8531
·1	37·5796	·2	52·5595	·3	72·4751	·4	98·5951	·5	132·4108	·6	175·6481
·2	37·7914	·3	52·8430	·4	72·8495	·5	99·0830	·6	133·0386	·7	176·4461
·3	38·0042	·4	53·1279	·5	73·2256	·6	99·5730	·7	133·6689	·8	177·2472
·4	38·2180	·5	53·4141	·6	73·6034	·7	100·0651	·8	134·3017	·9	178·0513
·5	38·4329	·6	53·7016	·7	73·9829	·8	100·5594	·9	134·9371	64·0	178·8585
·6	38·6488	·7	53·9905	·8	74·3641	·9	101·0557	58·0	135·5750	·1	179·6688
·7	38·8657	·8	54·2807	·9	74·7469	52·0	101·5541	·1	136·2154	·2	180·4822
·8	39·0837	·9	54·5722	46·0	75·1314	·1	102·0547	·2	136·8585	·3	181·2988
·9	39·3027	40·0	54·8651	·1	75·5176	·2	102·5573	·3	137·5042	·4	182·1185
34·0	39·5228	·1	55·1594	·2	75·9056	·3	103·0621	·4	138·1525	·5	182·9414
·1	39·7440	·2	55·4550	·3	76·2953	·4	103·5690	·5	138·8034	·6	183·7674
·2	39·9663	·3	55·7521	·4	76·6867	·5	104·0780	·6	139·4569	·7	184·5965
·3	40·1897	·4	56·0505	·5	77·0799	·6	104·5891	·7	140·1131	·8	185·4288
·4	40·4142	·5	56·3503	·6	77·4748	·7	105·1023	·8	140·7719	·9	186·2642
·5	40·6398	·6	56·6515	·7	77·8713	·8	105·6176	·9	141·4333	65·0	187·1028

Water (continued) :—

°	mm.
65·1	187·9446
·2	188·7896
·3	189·6378
·4	190·4893
·5	191·3440
·6	192·2020
·7	193·0632
·8	193·9277
·9	194·7954
66·0	195·6663
·1	196·5405
·2	197·4180
·3	198·2989
·4	199·1831
·5	200·0707
·6	200·9616
·7	201·8558
·8	202·7534
·9	203·6543
67·0	204·5586
·1	205·4662
·2	206·3773
·3	207·2918
·4	208·2097
·5	209·1311
·6	210·0559
·7	210·9841
·8	211·9158
·9	212·8509
68·0	213·7895
·1	214·7316
·2	215·6772
·3	216·6264
·4	217·5791
·5	218·5353
·6	219·4950
·7	220·4583
·8	221·4250
·9	222·3953
69·0	223·3691
·1	224·3464
·2	225·3274
·3	226·3121
·4	227·3005
·5	228·2925
·6	229·2882
·7	230·2876
·8	231·2907
·9	232·2975
70·0	233·3079
·1	234·3220
·2	235·3399
·3	236·3615
·4	237·3867
·5	238·4157
·6	239·4484
·7	240·4848
·8	241·5249
·9	242·5687
71·0	243·6163
·1	244·6677

Water (continued) :—

°	mm.
71·2	245·7230
·3	246·7821
·4	247·8451
·5	248·9120
·6	249·9828
·7	251·0575
·8	252·1361
·9	253·2185
72·0	254·3048
·1	255·3950
·2	256·4892
·3	257·5874
·4	258·6895
·5	259·7955
·6	260·9055
·7	262·0194
·8	263·1373
·9	264·2591
73·0	265·3849
·1	266·5148
·2	267·6488
·3	268·7869
·4	269·9290
·5	271·0752
·6	272·2254
·7	273·3798
·8	274·5382
·9	275·7008
74·0	276·8675
·1	278·0383
·2	279·2133
·3	280·3925
·4	281·5758
·5	282·7633
·6	283·9550
·7	285·1509
·8	286·3510
·9	287·5554
75·0	288·7640
·1	289·9769
·2	291·1940
·3	292·4154
·4	293·6411
·5	294·8711
·6	296·1054
·7	297·3440
·8	298·5870
·9	299·8343
76·0	303·0860
·1	302·3421
·2	303·6025
·3	304·8674
·4	306·1367
·5	307·4104
·6	308·6885
·7	309·9711
·8	311·2582
·9	312·5497
77·0	313·8457
·1	315·1462
·2	316·4512

Water (continued) :—

°	mm.
77·3	317·7607
·4	319·0747
·5	320·3933
·6	321·7165
·7	323·0442
·8	324·3765
·9	325·7134
78·0	327·0549
·1	328·4010
·2	329·7518
·3	331·1073
·4	332·4674
·5	333·8321
·6	335·2016
·7	336·5757
·8	337·9546
·9	339·3382
79·0	340·7265
·1	342·1196
·2	343·5174
·3	344·9200
·4	346·3274
·5	347·7396
·6	349·1566
·7	350·5784
·8	352·0051
·9	353·4366
80·0	354·8730
·1	356·3143
·2	357·7604
·3	359·2115
·4	360·6675
·5	362·1284
·6	363·5943
·7	365·0651
·8	366·5409
·9	368·0217
81·0	369·5075
·1	370·9983
·2	372·4941
·3	373·9950
·4	375·5009
·5	377·0119
·6	378·5279
·7	380·0491
·8	381·5753
·9	383·1067
82·0	384·6432
·1	386·1848
·2	387·7316
·3	389·2836
·4	390·8407
·5	392·4031
·6	393·9706
·7	395·5434
·8	397·1214
·9	398·7047
83·0	400·2933
·1	401·8872
·2	403·4863
·3	405·0908

Water (continued) :—

°	mm.
83·4	406·7006
·5	408·3157
·6	409·9362
·7	411·5621
·8	413·1934
·9	414·8301
84·0	416·4721
·1	418·1196
·2	419·7725
·3	421·4309
·4	423·0948
·5	424·7642
·6	426·4390
·7	428·1194
·8	429·8053
·9	431·4968
85·0	433·1938
·1	434·8964
·2	436·6046
·3	438·3184
·4	440·0378
·5	441·7628
·6	443·4935
·7	445·2298
·8	446·9719
·9	448·7196
86·0	450·4730
·1	452·2321
·2	453·9969
·3	455·7675
·4	457·5438
·5	459·3260
·6	461·1139
·7	462·9077
·8	464·7073
·9	466·5127
87·0	468·3240
·1	470·1412
·2	471·9644
·3	473·7934
·4	475·6284
·5	477·4693
·6	479·3162
·7	481·1619
·8	483·0278
·9	484·8927
88·0	486·7635
·1	488·6403
·2	490·5232
·3	492·4121
·4	494·3071
·5	496·2083
·6	498·1155
·7	500·0288
·8	501·9483
·9	503·8740
89·0	505·8059
·1	507·7439
·2	509·6881
·3	511·6386
·4	513·5953

Water (continued) :—

°	mm.
89·5	515·5583
·6	517·5275
·7	519·5031
·8	521·4849
·9	523·4731
90·0	525·4676
·1	527·4685
·2	529·4757
·3	531·4893
·4	533·5093
·5	535·5358
·6	537·5687
·7	539·6080
·8	541·6538
·9	543·7062
91·0	545·7650
·1	547·8303
·2	549·9022
·3	551·9807
·4	554·0657
·5	556·1573
·6	558·2555
·7	560·3604
·8	562·4719
·9	564·5900
92·0	566·7149
·1	568·8465
·2	570·9847
·3	573·1297
·4	575·2815
·5	577·4400
·6	579·6053
·7	581·7775
·8	583·9564
·9	586·1422
93·0	588·3349
·1	590·5344
·2	592·7408
·3	594·9542
·4	597·1744
·5	599·4016
·6	601·6358
·7	603·8770
·8	606·1251
·9	608·3804
94·0	610·6426
·1	612·9119
·2	615·1883
·3	617·4718
·4	619·7624
·5	622·0602
·6	624·3651
·7	626·6772
·8	628·9965
·9	631·3230
95·0	633·6567
·1	635·9976
·2	638·3459
·3	640·7014
·4	643·0642
·5	645·4343

Water (continued) :—

°	mm.
95·6	647·8118
·7	650·1966
·8	652·5889
·9	654·9885
96·0	657·3956
·1	659·8101
·2	662·2321
·3	664·6616
·4	667·0985
·5	669·5430
·6	671·9951
·7	674·4547
·8	676·9219
·9	679·3967
97·0	681·8791
·1	684·3692
·2	686·8669
·3	689·3723
·4	691·8854
·5	694·4062
·6	696·9348
·7	699·4712
·8	702·0153
·9	704·5673
98·0	707·1271
·1	709·6947
·2	712·2702
·3	714·8536
·4	717·4449
·5	720·0442
·6	722·6514
·7	725·2665
·8	727·8897
·9	730·5209
99·0	733·1602
·1	735·8075
·2	738·4629
·3	741·1265
·4	743·7981
·5	746·4779
·6	749·1659
·7	751·8621
·8	754·5665
·9	757·2791
100·0	760·0000
·1	762·7272
·2	765·4666
·3	768·2124
·4	770·9666
·5	773·7291
·6	776·5000
·7	779·2793
·8	782·0670
·9	784·8632
101·0	787·6678

Boiling Points of Water at different pressures. *Ibid.* 46 [1881].

°	mm.
96·9243	680·0
·9284	·1

Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—	
°	mm.	°	mm.	°	mm.	°	mm.	°	mm.	°	mm.
96·9324	680·2	97·1813	686·4	97·4284	692·6	97·6736	698·8	97·9169	705·0	98·1585	711·2
·9364	·3	·1853	·5	·4323	·7	·6775	·9	·9208	·1	·1624	·3
·9404	·4	·1893	·6	·4363	·8	·6814	699·0	·9247	·2	·1662	·4
·9445	·5	·1933	·7	·4403	·9	·6854	·1	·9286	·3	·1701	·5
·9485	·6	·1973	·8	·4442	693·0	·6893	·2	·9326	·4	·1740	·6
·9525	·7	·2013	·9	·4482	·1	·6933	·3	·9365	·5	·1779	·7
·9566	·8	·2053	687·0	·4522	·2	·6972	·4	·9404	·6	·1818	·8
·9606	·9	·2093	·1	·4561	·3	·7011	·5	·9443	·7	·1856	·9
·9646	681·0	·2133	·2	·4601	·4	·7051	·6	·9482	·8	·1895	712·0
·9686	·1	·2173	·3	·4641	·5	·7090	·7	·9521	·9	·1934	·1
·9727	·2	·2213	·4	·4680	·6	·7129	·8	·9560	706·0	·1973	·2
·9767	·3	·2253	·5	·4720	·7	·7169	·9	·9599	·1	·2012	·3
·9807	·4	·2293	·6	·4760	·8	·7208	700·0	·9638	·2	·2050	·4
·9847	·5	·2333	·7	·4799	·9	·7247	·1	·9677	·3	·2089	·5
·9888	·6	·2373	·8	·4839	694·0	·7287	·2	·9716	·4	·2128	·6
·9928	·7	·2413	·9	·4879	·1	·7326	·3	·9755	·5	·2167	·7
·9968	·8	·2453	688·0	·4918	·2	·7365	·4	·9794	·6	·2205	·8
97·0008	·9	·2493	·1	·4958	·3	·7405	·5	·9833	·7	·2244	·9
·0049	682·0	·2532	·2	·4997	·4	·7444	·6	·9872	·8	·2283	713·0
·0089	·1	·2572	·3	·5037	·5	·7483	·7	·9911	·9	·2322	·1
·0129	·2	·2612	·4	·5077	·6	·7523	·8	·9950	707·0	·2360	·2
·0169	·3	·2652	·5	·5116	·7	·7562	·9	·9989	·1	·2399	·3
·0209	·4	·2692	·6	·5156	·8	·7601	701·0	98·0028	·2	·2438	·4
·0250	·5	·2732	·7	·5195	·9	·7641	·1	·0067	·3	·2476	·5
·0290	·6	·2772	·8	·5235	695·0	·7680	·2	·0106	·4	·2515	·6
·0330	·7	·2812	·9	·5275	·1	·7719	·3	·0145	·5	·2554	·7
·0370	·8	·2852	689·0	·5314	·2	·7758	·4	·0184	·6	·2592	·8
·0410	·9	·2891	·1	·5354	·3	·7798	·5	·0223	·7	·2631	·9
·0451	683·0	·2931	·2	·5393	·4	·7837	·6	·0262	·8	·2670	714·0
·0491	·1	·2971	·3	·5433	·5	·7876	·7	·0301	·9	·2709	·1
·0531	·2	·3011	·4	·5472	·6	·7915	·8	·0340	708·0	·2747	·2
·0571	·3	·3051	·5	·5512	·7	·7955	·9	·0379	·1	·2786	·3
·0611	·4	·3091	·6	·5551	·8	·7994	702·0	·0418	·2	·2825	·4
·0651	·5	·3130	·7	·5591	·9	·8033	·1	·0457	·3	·2863	·5
·0691	·6	·3170	·8	·5631	696·0	·8072	·2	·0496	·4	·2902	·6
·0732	·7	·3210	·9	·5670	·1	·8112	·3	·0535	·5	·2941	·7
·0772	·8	·3250	690·0	·5710	·2	·8151	·4	·0574	·6	·2979	·8
·0812	·9	·3290	·1	·5749	·3	·8190	·5	·0613	·7	·3018	·9
·0852	684·0	·3330	·2	·5789	·4	·8229	·6	·0652	·8	·3057	715·0
·0892	·1	·3369	·3	·5828	·5	·8269	·7	·0691	·9	·3095	·1
·0932	·2	·3409	·4	·5868	·6	·8308	·8	·0730	709·0	·3134	·2
·0972	·3	·3449	·5	·5907	·7	·8347	·9	·0769	·1	·3172	·3
·1012	·4	·3489	·6	·5947	·8	·8386	703·0	·0808	·2	·3211	·4
·1052	·5	·3529	·7	·5986	·9	·8425	·1	·0846	·3	·3250	·5
·1092	·6	·3568	·8	·6026	697·0	·8465	·2	·0885	·4	·3288	·6
·1133	·7	·3608	·9	·6065	·1	·8504	·3	·0924	·5	·3327	·7
·1173	·8	·3648	691·0	·6105	·2	·8543	·4	·0963	·6	·3366	·8
·1213	·9	·3688	·1	·6144	·3	·8582	·5	·1002	·7	·3404	·9
·1253	685·0	·3727	·2	·6184	·4	·8621	·6	·1041	·8	·3443	716·0
·1293	·1	·3767	·3	·6223	·5	·8660	·7	·1080	·9	·3481	·1
·1333	·2	·3807	·4	·6262	·6	·8700	·8	·1119	710·0	·3520	·2
·1373	·3	·3847	·5	·6302	·7	·8739	·9	·1158	·1	·3558	·3
·1413	·4	·3886	·6	·6341	·8	·8778	704·0	·1196	·2	·3597	·4
·1453	·5	·3926	·7	·6381	·9	·8817	·1	·1235	·3	·3636	·5
·1493	·6	·3966	·8	·6420	698·0	·8856	·2	·1274	·4	·3674	·6
·1533	·7	·4006	·9	·6460	·1	·8895	·3	·1313	·5	·3713	·7
·1573	·8	·4045	692·0	·6499	·2	·8934	·4	·1352	·6	·3751	·8
·1613	·9	·4085	·1	·6539	·3	·8974	·5	·1391	·7	·3790	·9
·1653	686·0	·4125	·2	·6578	·4	·9013	·6	·1429	·8	·3829	717·0
·1693	·1	·4165	·3	·6617	·5	·9052	·7	·1468	·9	·3867	·1
·1733	·2	·4204	·4	·6657	·6	·9091	·8	·1507	711·0	·3906	·2
·1773	·3	·4244	·5	·6696	·7	·9130	·9	·1546	·1	·3944	·3

Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—	
°	mm.	°	mm.	°	mm.	°	mm.	°	mm.	°	mm.
98·3983	717·4	98·6363	723·6	98·8726	729·8	99·1073	736·0	99·3402	742·2	99·5715	748·4
·4021	·5	·6401	·7	·8764	·9	·1110	·1	·3440	·3	·5752	·5
·4060	·6	·6440	·8	·8802	730·0	·1148	·2	·3477	·4	·5790	·6
·4098	·7	·6478	·9	·8840	·1	·1186	·3	·3514	·5	·5827	·7
·4137	·8	·6516	724·0	·8878	·2	·1223	·4	·3552	·6	·5864	·8
·4175	·9	·6554	·1	·8916	·3	·1261	·5	·3589	·7	·5901	·9
·4214	718·0	·6593	·2	·8954	·4	·1299	·6	·3627	·8	·5938	749·0
·4252	·1	·6631	·3	·8992	·5	·1336	·7	·3664	·9	·5975	·1
·4291	·2	·6669	·4	·9030	·6	·1374	·8	·3702	743·0	·6013	·2
·4329	·3	·6707	·5	·9068	·7	·1412	·9	·3739	·1	·6050	·3
·4368	·4	·6745	·6	·9106	·8	·1449	737·0	·3776	·2	·6087	·4
·4406	·5	·6784	·7	·9144	·9	·1487	·1	·3814	·3	·6124	·5
·4445	·6	·6822	·8	·9182	731·0	·1525	·2	·3851	·4	·6161	·6
·4483	·7	·6860	·9	·9220	·1	·1562	·3	·3889	·5	·6198	·7
·4522	·8	·6898	725·0	·9258	·2	·1600	·4	·3926	·6	·6235	·8
·4560	·9	·6936	·1	·9295	·3	·1638	·5	·3963	·7	·6273	·9
·4599	719·0	·6975	·2	·9333	·4	·1675	·6	·4001	·8	·6310	750·0
·4637	·1	·7013	·3	·9371	·5	·1713	·7	·4038	·9	·6347	·1
·4676	·2	·7051	·4	·9409	·6	·1751	·8	·4075	744·0	·6384	·2
·4714	·3	·7089	·5	·9447	·7	·1788	·9	·4113	·1	·6421	·3
·4752	·4	·7127	·6	·9485	·8	·1826	738·0	·4150	·2	·6458	·4
·4791	·5	·7165	·7	·9523	·9	·1863	·1	·4187	·3	·6495	·5
·4829	·6	·7204	·8	·9561	732·0	·1901	·2	·4225	·4	·6532	·6
·4868	·7	·7242	·9	·9599	·1	·1939	·3	·4262	·5	·6569	·7
·4906	·8	·7280	726·0	·9637	·2	·1976	·4	·4299	·6	·6606	·8
·4945	·9	·7318	·1	·9674	·3	·2014	·5	·4337	·7	·6643	·9
·4983	720·0	·7356	·2	·9712	·4	·2051	·6	·4374	·8	·6681	751·0
·5021	·1	·7394	·3	·9750	·5	·2089	·7	·4412	·9	·6718	·1
·5060	·2	·7432	·4	·9788	·6	·2127	·8	·4449	745·0	·6755	·2
·5098	·3	·7471	·5	·9826	·7	·2164	·9	·4486	·1	·6792	·3
·5137	·4	·7509	·6	·9864	·8	·2202	739·0	·4523	·2	·6829	·4
·5175	·5	·7547	·7	·9902	·9	·2239	·1	·4561	·3	·6866	·5
·5213	·6	·7585	·8	·9939	733·0	·2277	·2	·4598	·4	·6903	·6
·5252	·7	·7623	·9	·9977	·1	·2315	·3	·4635	·5	·6940	·7
·5290	·8	·7661	727·0	99·0015	·2	·2352	·4	·4673	·6	·6977	·8
·5329	·9	·7699	·1	·0053	·3	·2390	·5	·4710	·7	·7014	·9
·5367	721·0	·7737	·2	·0091	·4	·2427	·6	·4747	·8	·7051	752·0
·5405	·1	·7775	·3	·0128	·5	·2465	·7	·4785	·9	·7088	·1
·5444	·2	·7813	·4	·0166	·6	·2502	·8	·4822	746·0	·7126	·2
5482	·3	·7852	·5	·0204	·7	·2540	·9	·4859	·1	·7162	·3
·5520	·4	·7890	·6	·0242	·8	·2577	740·0	·4896	·2	·7199	·4
·5559	·5	·7928	·7	·0280	·9	·2615	·1	·4934	·3	·7236	·5
·5597	·6	·7966	·8	·0318	734·0	·2652	·2	·4971	·4	·7273	·6
·5635	·7	·8004	·9	·0355	·1	·2690	·3	·5008	·5	·7310	·7
·5674	·8	·8042	728·0	·0393	·2	·2728	·4	·5045	·6	·7347	·8
·5712	·9	·8080	·1	·0431	·3	·2765	·5	·5083	·7	·7384	·9
·5750	722·0	·8118	·2	·0469	·4	·2803	·6	·5120	·8	·7421	753·0
·5789	·1	·8156	·3	·0506	·5	·2840	·7	·5157	·9	·7458	·1
·5827	·2	·8194	·4	·0544	·6	·2878	·8	·5194	747·0	·7495	·2
·5865	·3	·8232	·5	·0582	·7	·2915	·9	·5232	·1	·7532	·3
·5904	·4	·8270	·6	·0620	·8	·2953	741·0	·5269	·2	·7569	·4
·5942	·5	·8308	·7	·0658	·9	·2990	·1	·5306	·3	·7606	·5
·5980	·6	·8346	·8	·0695	735·0	·3028	·2	·5343	·4	·7643	·6
·6019	·7	·8384	·9	·0733	·1	·3065	·3	·5381	·5	·7680	·7
·6057	·8	·8422	729·0	·0771	·2	·3102	·4	·5418	·6	·7717	·8
·6095	·9	·8460	·1	·0808	·3	·3140	·5	·5455	·7	·7754	·9
·6133	723·0	·8498	·2	·0846	·4	·3177	·6	·5492	·8	·7791	754·0
·6172	·1	·8536	·3	·0884	·5	·3215	·7	·5529	·9	·7828	·1
·6210	·2	·8574	·4	·0922	·6	·3252	·8	·5567	748·0	·7865	·2
·6248	·3	·8612	·5	·0959	·7	·3290	·9	·5604	·1	·7902	·3
·6287	·4	·8650	·6	·0997	·8	·3327	742·0	·5641	·2	·7938	·4
·6325	·5	·8688	·7	·1035	·9	·3365	·1	·5678	·3	·7975	·5

Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—		Water (continued):—	
°	mm.	°	mm.	°	mm.	°	mm.	°	mm.	°	mm.
99·8012	754·6	100·0293	760·8	100·2559	767·0	100·4809	773·2	100·7043	779·4	100·9263	785·6
·8049	·7	·0330	·9	·2595	·1	·4845	·3	·7079	·5	·9299	·7
·8086	·8	·0367	761·0	·2632	·2	·4881	·4	·7115	·6	·9334	·8
·8123	·9	·0403	·1	·2668	·3	·4917	·5	·7151	·7	·9370	·9
·8160	755·0	·0440	·2	·2704	·4	·4953	·6	·7187	·8	·9406	786·0
·8197	·1	·0477	·3	·2741	·5	·4989	·7	·7223	·9	·9441	·1
·8234	·2	·0513	·4	·2777	·6	·5026	·8	·7259	780·0	·9477	·2
·8271	·3	·0550	·5	·2814	·7	·5062	·9	·7295	·1	·9513	·3
·8308	·4	·0587	·6	·2850	·8	·5098	774·0	·7331	·2	·9548	·4
·8344	·5	·0623	·7	·2886	·9	·5134	·1	·7366	·3	·9584	·5
·8381	·6	·0660	·8	·2923	768·0	·5170	·2	·7402	·4	·9620	·6
·8418	·7	·0696	·9	·2959	·1	·5206	·3	·7438	·5	·9655	·7
·8455	·8	·0733	762·0	·2995	·2	·5242	·4	·7474	·6	·9691	·8
·8492	·9	·0770	·1	·3032	·3	·5278	·5	·7510	·7	·9727	·9
·8529	756·0	·0806	·2	·3068	·4	·5315	·6	·7546	·8	·9762	787·0
·8566	·1	·0843	·3	·3105	·5	·5351	·7	·7582	·9	·9798	·1
·8603	·2	·0880	·4	·3141	·6	·5387	·8	·7618	781·0	·9833	·2
·8639	·3	·0916	·5	·3177	·7	·5423	·9	·7653	·1	·9869	·3
·8676	·4	·0953	·6	·3214	·8	·5459	775·0	·7689	·2	·9905	·4
·8713	·5	·0989	·7	·3250	·9	·5495	·1	·7725	·3	·9940	·5
·8750	·6	·1026	·8	·3286	769·0	·5531	·2	·7761	·4	·9976	·6
·8787	·7	·1062	·9	·3323	·1	·5567	·3	·7797	·5	101·0011	·7
·8824	·8	·1099	763·0	·3359	·2	·5603	·4	·7833	·6	·0047	·8
·8860	·9	·1136	·1	·3395	·3	·5639	·5	·7868	·7	·0083	·9
·8897	757·0	·1172	·2	·3432	·4	·5675	·6	·7904	·8	·0118	788·0
·8934	·1	·1209	·3	·3468	·5	·5712	·7	·7940	·9	·0154	·1
·8971	·2	·1245	·4	·3504	·6	·5748	·8	·7976	782·0	·0189	·2
·9008	·3	·1282	·5	·3540	·7	·5784	·9	·8012	·1	·0225	·3
·9044	·4	·1318	·6	·3577	·8	·5820	776·0	·8048	·2	·0261	·4
·9081	·5	·1355	·7	·3613	·9	·5856	·1	·8083	·3	·0296	·5
·9118	·6	·1392	·8	·3649	770·0	·5892	·2	·8119	·4	·0332	·6
·9155	·7	·1428	·9	·3686	·1	·5928	·3	·8155	·5	·0367	·7
·9192	·8	·1465	764·0	·3722	·2	·5964	·4	·8191	·6	·0403	·8
·9228	·9	·1501	·1	·3758	·3	·6000	·5	·8227	·7	·0438	·9
·9265	758·0	·1538	·2	·3794	·4	·6036	·6	·8262	·8	·0474	789·0
·9302	·1	·1574	·3	·3831	·5	·6072	·7	·8298	·9	·0509	·1
·9339	·2	·1611	·4	·3867	·6	·6108	·8	·8334	783·0	·0545	·2
·9376	·3	·1647	·5	·3903	·7	·6144	·9	·8370	·1	·0581	·3
·9412	·4	·1684	·6	·3940	·8	·6180	777·0	·8406	·2	·0616	·4
·9449	·5	·1720	·7	·3976	·9	·6216	·1	·8441	·3	·0652	·5
·9486	·6	·1757	·8	·4012	771·0	·6252	·2	·8477	·4	·0687	·6
·9523	·7	·1793	·9	·4048	·1	·6288	·3	·8513	·5	·0723	·7
·9559	·8	·1830	765·0	·4085	·2	·6324	·4	·8549	·6	·0758	·8
·9596	·9	·1866	·1	·4121	·3	·6360	·5	·8584	·7	·0794	·9
·9633	759·0	·1903	·2	·4157	·4	·6396	·6	·8620	·8	·0829	790·0
·9670	·1	·1939	·3	·4193	·5	·6432	·7	·8656	·9	·0865	·1
·9706	·2	·1976	·4	·4230	·6	·6468	·8	·8692	784·0	·0900	·2
·9743	·3	·2012	·5	·4266	·7	·6504	·9	·8727	·1	·0936	·3
·9780	·4	·2049	·6	·4302	·8	·6540	778·0	·8763	·2	·0971	·4
·9816	·5	·2085	·7	·4338	·9	·6576	·1	·8799	·3	·1007	·5
·9853	·6	·2122	·8	·4374	772·0	·6612	·2	·8835	·4	·1042	·6
·9890	·7	·2158	·9	·4411	·1	·6648	·3	·8870	·5	·1078	·7
·9927	·8	·2194	766·0	·4447	·2	·6684	·4	·8906	·6	·1113	·8
·9964	·9	·2231	·1	·4483	·3	·6720	·5	·8942	·7	·1149	·9
100·0000	760·0	·2267	·2	·4519	·4	·6756	·6	·8977	·8	·1184	791·0
·0037	·1	·2304	·3	·4555	·5	·6792	·7	·9013	·9	·1220	·1
·0073	·2	·2340	·4	·4592	·6	·6828	·8	·9049	785·0	·1255	·2
·0110	·3	·2377	·5	·4628	·7	·6864	·9	·9085	·1	·1291	·3
·0147	·4	·2413	·6	·4664	·8	·6900	779·0	·9120	·2	·1326	·4
·0183	·5	·2450	·7	·4700	·9	·6936	·1	·9156	·3	·1361	·5
·0220	·6	·2486	·8	·4736	773·0	·6971	·2	·9192	·4	·1397	·6
·0257	·7	·2522	·9	·4773	·1	·7007	·3	·9227	·5	·1432	·7

Water (continued):—

°	mm.
101·1468	791·8
·1503	·9
·1539	792·0
·1574	·1
·1610	·2
·1645	·3
·1680	·4
·1716	·5
·1751	·6
·1787	·7
·1822	·8
·1857	·9
·1893	793·0
·1928	·1
·1964	·2
·1999	·3
·2034	·4
·2070	·5
·2105	·6
·2141	·7
·2176	·8
·2211	·9
·2247	794·0
·2282	·1
·2317	·2
·2353	·3
·2388	·4
·2423	·5
·2459	·6
·2494	·7
·2529	·8
·2565	·9
·2600	795·0
·2635	·1
·2671	·2
·2706	·3
·2741	·4
·2777	·5
·2812	·6
·2847	·7
·2883	·8
·2918	·9
·2953	796·0
·2988	·1
·3024	·2
·3059	·3
·3094	·4
·3129	·5
·3165	·6
·3200	·7
·3235	·8
·3271	·9
·3306	797·0
·3341	·1
·3376	·2
·3412	·3
·3447	·4
·3482	·5
·3517	·6
·3552	·7
·3588	·8
·3623	·9

Water (continued):—

°	mm.
101·3658	798·0
·3693	·1
·3728	·2
·3764	·3
·3799	·4
·3834	·5
·3869	·6
·3904	·7
·3940	·8
·3975	·9
·4010	799·0
·4045	·1
·4080	·2
·4115	·3
·4151	·4
·4186	·5
·4221	·6
·4256	·7
·4291	·8
·4326	·9
·4362	800·0
·4397	·1
·4432	·2
·4467	·3
·4502	·4
·4537	·5
·4572	·6
·4607	·7
·4642	·8
·4678	·9

Nitrous oxide, N_2O.

Faraday, P.T. 135, 155; C.N. 51, 174:—

°	ats.
−87·2	1·0
−73·3	1·77
−62·0	3·00
−59·4	3·58
−51·0	5·00
−45·6	6·89
−40·0	8·71
−31·7	12·04
−17·8	19·34
− 3·9	28·90
− 1·7	33·40
0	32·00

Regnault, M.A.S. 26, 535:—

°	ats.
−25	20·65
−20	23·14
−15	25·90
−10	28·96
− 5	32·34
0	36·08
+ 5	40·21
10	44·76
15	49·77
20	55·30

Nitrous oxide (cont.):—

°	ats.
25	61·38
30	68·03
35	75·36
40	83·37

Cailletêt, Arch. de Gen., 66, 16 [1878]:—

°	ats.
−92	1·0
−90	1·10
−84	1·40
−80	1·90
−74	2·60
−70	3·15
−64	4·20
−60	5·05
−54	6·32
−50	7·63
−44	9·60
−40	11·02
−34	13·19

Dewar, P.M. [5], 18, 212:—

°	mm.
−125	25
	ats.
c.t. 35·4	75

Andrews, C.N. 4, 158:—

°	ats.
c.t. 36	?

Seelig [1886]:—

°	ats.
c. 15	31

Nitric oxide, NO.

Olzewski, C.R. 100, 942; B.r. 18, 313; **48**, 860:—

°	mm.
−176·5	18
s. −167·0	138
	ats.
−153·6	1·0
−138·8	5·4
−129·0	10·6
−119·0	20·0
−110·0	31·6
−105·0	41·0
−100·9	49·9
− 97·5	57·8
c.t. − 93·5	71·2

Sulphur dioxide.

Faraday, P.T. 135, 155:—

°	ats.
−17·8	0·725
− 7·2	1·12
− 3·3	1·33
+ 4·4	1·78
23·1	3·28
32·2	4·35
37·8	5·16

Sulphur dioxide (cont.):—

Regnault, M.A.S. 26, 535; iii., 94:—

°	ats.
−30	0·39
−25	0·49
−20	0·63
−15	0·80
−10	1·00
− 5	1·25
0	1·53
+ 5	1·87
10	2·26
15	2·72
20	3·24
25	3·84
30	4·52
35	5·28
40	6·15
45	7·11
50	8·19
55	9·38
60	10·69
65	12·11

Sajotschewski, W.B. 3, 741:—

°	ats.
50	8·43
60	11·09
70	14·31
80	18·09
90	22·47
100	27·82
120	41·56
150	71·45
c.t. 155·4	78·9

Ladenburg, B. 11, 818; **34**, 633:—

°	ats.
c.t. 157–161	?

Drion, A.C. [3], 56, 37:—

°	ats.
c.t. 140	?

Seelig [1886]:—

°	ats.
c. 15	3

Hydrogen sulphide, H_2S.

Faraday, P.T. 135, 155:—

°	ats.
−73·3	1·02
−67·8	1·09
−58·9	1·50
−45·5	2·35
−31·1	3·95
−28·9	4·24
−18·9	5·90
−17·8	6·10

Hydrogen sulphide (continued):—

°	ats.
− 3·3	9·36
+10·0	14·14
11·1	14·60

Regnault, M.A.S. 26, 535; iii., 94:—

°	mm.
−78·2	441·4
	ats.
−30	3·69
−25	4·93
−20	5·83
−15	6·84
−10	8·01
− 5	9·30
0	10·80
+ 5	12·48
10	14·34
15	16·38
20	18·62
25	21·07
30	23·73
35	26·62
40	29·72
45	32·83
50	36·60
55	40·38
60	44·39
65	48·63
70	53·10

Dewar, P.M. [5], 18, 214; C.N. 51, 29:—

°	ats.
c.t. 108·2	92

Seelig [1886]:—

°	ats.
c. 15	10

Ammonia, NH_3.

Faraday, P.T. 135, 155:—

°	ats.
−17·8	2·48
− 3·3	4·04
+ 9·4	5·83
28·3	10·00
49·4	10·30

Regnault, M.A.S. 26, 535; iii., 94; vi., 102:—

°	mm.
−78·2	240
−40	528·6
	ats.
−30	1·14
−25	1·45
−20	1·83
−15	2·24
−10	2·82

Ammonia (continued):—

°	ats.
− 5	3·45
0	4·19
+ 5	5·04
10	6·02
15	7·14
20	8·41
25	9·84
30	11·45
35	13·25
40	15·26
45	17·48
50	19·95
55	22·66
60	25·63
65	28·90
70	32·47
75	36·35
80	40·59
85	45·17
90	50·14
95	55·52
100	61·32

Vincent & Chappuis, C.R. 101, 428; **48**, 1105:—

°	ats.
c.t. 131	113
− 38·5	1·0

Dewar, P.M. [5], 18, 214; C.N. 51, 29:—

°	ats.
c.t. 130	115

Seelig [1886]:—

°	ats.
c. 15	7

Hydrogen arsenide, AsH_3.

Faraday, P.T. 135, 155:—

°	ats.
−59·4	0·94
−53·3	1·26
−46·7	1·73
−30·6	3·32
−17·8	5·21
−12·2	6·24
0	8·95
+ 4·4	10·05
10·0	11·56
15·6	13·19

Olzewski, C.N. 51, 174:—

	°
Remains liquid	−102
Solidifies	−118

Seelig [1886]:—

°	ats.
c. 15	8·5

Methane, CH_4.

Wroblewski, C.R. 99, 136; B.r. 17, 412; C.N. 51, 174; **46**, 1275:—

°	mm.
—155	760
	ats.
—130·9	6·7
—113·4	16·4
—113	16·0
— 98·2	24·9
— 98	25
— 86	40
— 75·9	52·5
c.t. — 73·5	56·8

Remains liquid at —160°

Olzewski, C.R. 100, 941; B.r. 18, 313; **48**, 860:—

°	mm.
—201·5	5
s. —185·8	80
	ats.
—164·0	1·0
—153·8	2·24
—138·5	6·2
—126·8	11·0
—110·6	21·4
—105·8	26·3
— 93·3	40·0
— 85·4	49·0
c.t. — 81·8	54·9

Dewar, N. 28, 551:—

°	ats.
c.t. b. —100	39

Ibid., P.M. [5], 18, 214; C.N. 51, 29:—

°	ats.
c.t. —99·5	50

Sarrau, C.R. 94, 720:—

°	ats.
—75·7	46·8

Acetylene, C_2H_2.

Cailletêt, C.R. 85, 851:—

°	ats.
1	48
10	63
18	83
25	94
31	103

Ansdell, P.R. 29, 209:—

°	ats.
—23	11·01
—10	17·06
0	21·53
13·5	32·77
20·15	39·76
31·6	56·20

Acetylene (cont.):—

°	ats.
36·9	67·96
c.t. 37·05	—

Dewar, P.M. [5], 18, 214; C.N. 51, 29:—

°	ats.
c.t. 37	68

Ethylene, C_2H_4.

Faraday, P.T., 135, 155; C.N., 51, 174:—

°	ats.
—76·1	4·6
—73·3	4·82
—67·8	5·44
[—62·0	6·5]
—59·4	6·89
—51·1	9·14
—45·6	11·10
—40·0	13·46
—31·7	17·75
—23·3	22·94
—17·8	26·90
c.— 1·0	42·0

Olzewski, C.R. 99, 133; 101, 238; **46**, 1257; **48**, 1101:—

°	mm.
l.—162	1
—150·4	9·8
—148·0	12
—139·0	31
—132·0	56
—129·7	72
—126·0	107
—122	146
—115·5	246
—111	346
—108	441
—105	546
—103	750

Cailletêt, N. 32, 584:—

°	mm.
—103	760

Waals, P.R. 37, 354; W.B. 4, 704:—

°	ats.
c.t. 9·2	58

Sarrau, C.R. 94, 846:—

°	ats.
c.t. 1·5	43·5

Dewar, P.M. [5], 18, 212; C.N. 51, 29:—

°	ats.
c.t. 10·1	51
	mm.
—140	25

Ethylene (cont.):—

Seelig [1886]:—

°	ats.
c. 15	42·5

Ramsay and Young, P.M. [5], 20, 524; 21, 41:—

°	mm.
—150	10
—133·5	50
—126·25	100
—121·6	150
—118·1	200
—113·0	300
—109·0	400

Ethane, C_2H_6.

Cailletêt, C.R. 85, 851:—

°	ats.
4	46

Dewar, P.M. [5], 18, 214; C.N. 51, 29:—

°	ats.
c.t. 35	45·2

Amylene, C_5H_{10}.

Guthrie, P.M. [5], 18, 517:—

°	mm.
18·4	356·5

Dewar, P.M. [5], 18, 214; C.N. 51, 29:—

°	ats.
c.t. 191·6	33·9

Benzene, C_6H_6.

Regnault, M.A.S. 26, 339; P.A. 111, 408; iii., 94:—

°	mm.
—20	5·79
—15	8·82
—10	12·92
— 5	18·33
0	25·31
+ 5	34·17
10	45·25
15	58·93
20	75·65
25	95·91
30	120·24
35	149·26
40	183·62
45	224·06
50	271·37
55	326·41
60	390·10
65	463·43
70	547·42

Benzene (cont.):—

°	mm.
75	643·18
80	751·86
85	874·63
90	1012·75
95	1167·46
100	1340·05
105	1531·83
110	1744·12
115	1978·22
120	2235·44
125	2517·06
130	2824·35
135	3158·51
140	3520·73
145	3912·11
150	4333·71
155	4786·51
160	5271·43
165	5683·03
170	6340·72

Ramsay and Young, P.R., 31, 194; P.T. [1884], 464; **45**, 138:—

°	mm.
—5·21 s.	17·60
—4·80 s.	17·90
—3·77 s.	19·60
—2·80 s.	20·80
—1·72 s.	22·35
—1·28 s.	23·40
—0·20 s.	25·50
+0·90 s.	26·70
1·20 s.	27·30
2·60 s.	29·90
2·98 l.	31·90
3·00 s.	31·40
m.p. 3·30	....
3·60 l.	32·55
4·01 l.	32·40
4·08 l.	33·35
4·46 l.	34·05
4·50 l.	33·20
6·32 l.	37·10
8·20 l.	40·90
9·60 l.	44·40
80·0	755·7
	ats.
c.t. 291·5	90·5

Schall, B., 17, 2202, 2568:—

°	mm.
— 3·3	0
— 0·6	5
+ 1·3	10
3·3	15
5·1	20
6·4	25
13·8	50

Benzene (cont.):—

°	mm.
20·1	75
79·1	725
80·1	760

Sajotschewski, W.B. 3, 741; **45**, 138:—

°	ats.
c.t. 280·6	49·5

Dewar, P.M. [5], 18, 214; C.N. 51, 29:—

°	ats.
c.t. 291·7	60·4

Toluene, C_7H_8.

Kahlbaum, B., 17, 1261:—

°	mm.
— 2·2	0
+ 4·5	5
10·0	10
15·0	15
19·3	20
22·7	25
34·5	50
42·4	75
111·0	760

Octane, C_8H_{18}.

Lemoine, B.S. 41, 161; **46**, 1106:—

°	mm.
31	27
63	110
82	212
121	779

Naphthalene.

Carnelley. Not yet published:—

°	mm.
42	[1·0]
50	[1·54]
60	[2·7]
70	[4·4]
m.p. 79	[6·9]
80	[7·2]
90	[11·6]
100	[17·9]
106	23·0
110	27·1
120	40·3
130	58·6
140	83·7
150	118
160	163
170	219
180	292
190	386
200	500

Naphthalene (cont.):—

°	mm.
210	639
218	760
220	808
230	1008
240	1244
250	1519
256	1704
260	[1836]
270	[2198]
280	[2606]
290	[3065]
300	[3574]

Turpentine, $C_{10}H_{16}$.

Regnault, M.A.S., 26, 339; iii., 94:—

°	* mm.
0	2·07
+ 10	2·94
20	4·45
30	6·87
40	10·80
50	16·98
60	26·46
70	40·64
80	61·30
90	90·61
100	131·11
110	185·62
120	257·21
130	348·98
140	464·02
150	605·20
155	686·37
160	775·09
165	871·27
170	975·42
175	1090·11
180	1207·92
185	1336·45
190	1473·24

Ibid., P.M. [4], 8, 271:—

°	mm.
0	2·1
10	2·3
20	4·3
30	7·0
40	11·2
50	17·2
60	26·9
70	41·9
80	61·2
90	91·0
100	134·9
110	187·3
120	257·0
130	347·0
140	462·3

Turpentine (cont.) :—

°	mm.
150	604·5
160	777·2
170	989·0
180	1225·0
190	1514·7
200	1865·6
210	2251·2
220	2690·3
222	2778·5

Oil of lemon, $C_{10}H_{16}$.
Regnault, P.A. 111, 410 :—

°	mm.
100	70·0
115·1	129·1
115·4	129·4
124·8	178·3
125·0	179·0
137·0	263·4
147·4	357·0
155·5	449·2
165·1	576·5
174·2	753·7
201·6	1439·7
223·3	2328·0
236·6	3213·5
239·7	4374·4

Carbon tetrachloride, CCl_4.
Regnault, M.A.S. 26, 339 :—

°	* mm.
− 20	9·80
− 15	13·55
− 10	18·47
− 5	24·83
0	32·95
+ 5	43·19
10	55·97
15	71·73
20	90·99
25	114·30
30	142·27
35	175·55
40	214·81
45	260·82
50	314·38
55	376·29
60	447·43
65	528·74
70	621·15
75	725·66
80	843·29
85	975·12
90	1122·26
95	1286·86
100	1467·09
105	1667·19
110	1887·44

Carbon tetrachloride (continued) :—

°	mm.
115	2129·15
120	2393·67
125	2682·41
130	2996·88
135	3338·56
140	3709·04
145	4109·99
150	4543·13
155	5010·21
160	5513·14
165	6053·83
170	6634·37
175	7256·87
180	7923·55
185	8636·78
190	9399·02

Ibid., P.A. 111, 408 :—

°	mm.
0	30·5
5	40·1
10	52·1
15	67·1
20	85·5
25	108
30	135
35	168
40	207
45	252
50	305
55	368
60	440
65	522
70	616
75	723
80	844
85	979
90	1129
95	1296
100	1481
105	1684
110	1907
115	2150
120	2415
125	2702
130	3013
135	3349
140	3711
145	4101
150	4520
155	4970
160	5454
165	5974
170	6535
175	7139
180	7792
185	8501
190	9273
195	10117

Carbon tetrachloride (continued) :—
Winkelmann, W. 9, 372, 385 :—

°	mm.
6·69	47·5
20·86	95·0
28·20	123·6
28·56	127·9
29·09	131·5
34·69	166·7
36·84	190·0
44·86	250·7
52·89	336·8
55·26	380·0
59·58	427·9
68·38	574·1
77·16	757·5
	ats.
76·52	1
101·37	2
117·90	3
130·50	4
141·18	5
150·19	6
158·12	7

Ramsay and Young, P.M. [5], 20, 524 :—

°	mm.
8	50
22	100
31	150
38	200
48·8	300
57	400
63·3	500
69	600
73·8	700
78	800
82	900
86	1000
100·9	1500
112·3	2000
130·1	3000
154·9	5000

Dewar, P.M. [5], 18, 214 ; C.N. 51, 29 :—

°	ats.
c.t. 282	57·6

Avenarius, P.A. 151, 303 :—

°	ats.
c.t. 292·5	?

Hannay and Hogarth, P.R. 30, 178 ; C.N. 41, 103 :—

°	ats.
c.t. 277·9	58·1

Hexachlorethane, C_2Cl_6.
Staedel and Hahn, B. 11, 1736, 1738 :—

°	mm.
185·5	776·73
186·4	787·70
187·0	800·66
188·7	820·60
189·0	826·45
189·6	839·54
189·8	847·42
191	872·21
191·5	881·40
192·4	893·22
193	913·21
193·7	919·31
194·4	939·25
195·5	964·18
195·6	973·15
196·7	992·05
197	1001·00
197·4	1005·06
197·8	1010·05
198	1021·85
	*
185·0	765·02
185·5	779·08
185·9	790·04
186·3	801·99
187·2	820·86
188·0	835·86
188·8	853·86
190·0	865·56
190·2	869·76
191·0	882·76
193·2	930·86
195·0	964·43
196·3	991·45
197·0	1009·28
198·5	1033·30
199·0	1044·16

Staedel, B. 15, 2563 :—

°	mm.
186·601	800
192·201	900
196·797	1000
200·640	1080

Carbon tetrabromide, CBr_4.
Bolas and Groves, **24**, 780 :—
(1) From CS_2.
(2) From brompicrin.

°	mm.
101·75	50
120·5 (1)	100
121 (2)	100
143 (1)	228
143·5 (2)	228

Carbon tetrabromide (continued) :—

°	mm.
150·0 (1)	280
150·5 (2)	280
160·25 (1)	380
161·0 (2)	380
165·5 (2)	430
169·5 (2)	482
175·0 (2)	558
189·5	760

Carbon monoxide, CO.
Olzewski, C.R. 99, 706 ; **48**, 14 :—
Solidifies —211 (i.v.).

°	mm.
—190·0	760
	ats.
—172·6	4·6
—168·2	6·3
—155·7	14·8
—154·4	16·1
—152·0	18·1
—150·0	20·4
—148·8	21·5
—147·7	23·4
—145·3	25·7
c.t. —139·5	35·5

Ibid., C. R. 100, 351 ; 48, 476 :—

°	mm.
begins s. —207	100
complete s. —211	b. 100
—220·5	4

Wroblewski, C.R. 100, 981 ; M.C. 6, 204 ; B.r. 18, 312 ; **48**, 715 ; 861 :

°	mm.
—201·6	40
—201·5	60
s. —199	90 to 100
—198·83	100
—198·75	112
—198·5	120
—198·4	140
—197·5	160
—190·0	735
	ats.
—159·7	12·8
—159·15	13·14
—158·23	13·47
—157·96	13·95
—157·43	14·38
—156·78	14·65
—156·58	14·83
—156·31	15·19

Carbon monoxide (continued) :—

°	ats.
—155·80	15·54
—155·35	15·70
—155·10	15·87
—154·84	16·12
—154·73	16·21
—151·95	18·6
—151·6	18·91
—151·29	19·39
—151·15	19·74
—150·85	19·98
—150·38	20·48
—150·03	20·80
—149·63	20·84
—149·25	21·6
—149·1	21·92
—148·63	22·38
—148·25	22·97
—147·73	23·58
—147·50	24·1
—146·53	25·12
—146·08	26·55
—145·55	27·42
—145·17	28·09
—144·47	29·27
—143·87	29·99
—143·55	30·63
—143·2	31·31
—142·62	32·0
—142·1	32·97
—141·53	33·67
—141·26	34·42
—141·1	34·6 to 35·2
c.t. —140·2	39·0

Carbon dioxide, CO_2.
Faraday, P.T. 135, 155 ; i., 772 :—

°	ats.
—79·4	1·14
—77·2	1·36
—70·5	2·28
—63·2	3·60
—62·0	3·75
—59·4	4·60
s. —57·0	5·33
—51·0	6·75
—48·8	7·70
—45·5	8·88
—40·0	11·00
—36·6	12·50
—30·5	15·45
—26·1	17·80
—23·0	19·38
—20·0	21·50
—17·8	22·84
—15·0	24·70
—12·2	26·80

Carbon dioxide (continued) :—

°	ats.
− 9·4	29·10
− 5·0	33·15
0	{ 38·50
	36·00

Mareska and Donny, i., 772 :—

°	ats.
−20·0	23·6
−15·0	25·3
−10·0	27·5
− 5·0	36·0
0	42
+ 6·3	46
10·0	52
15·5	57
19·0	63
23·5	68
27·0	74
30·7	80

Regnault, M.A.S. 26, 535 ; J. [1863], 66 :—

°	ats.
−25	17·12
−20	19·93
−15	23·14
−10	26·76
− 5	30·84
0	35·40
+ 5	40·47
10	46·05
15	52·17
20	58·84
25	66·07
30	73·84
35	82·17
40	91·03
45	100·41

Cailletêt, Arch. de Gen. 66, 16 [1878] :—

°	ats.
−80	1·00
−74	1·55
−70	2·08
−64	3·10
−60	3·90
−54	5·46
−50	6·80
−44	8·72
−40	10·25
−34	12·70

Andrews, C.N. 4, 158 ; P.T. 159, 575 ; P.M. [4], 39, 150 ; P.A. Erg. 5, 64 ; J. [1861], 40 :—

°	ats.
c.t. 30·92	77

Carbon dioxide (continued) :—

Sarrau, C.R. 94, 719 :—

°	ats.
c.t. 32	77

Dewar, P.M. [5], 18, 212, 214 ; C.N. 51, 174 :—

°	mm.
−115	25
	ats.
c.t. 31·9	77

Carbon dioxide (continued) :—

Pictet, C.N. 51, 174 :—

°	
−140	i.v.

Seelig [1886] :—

°	ats.
c. 15	52

Carbon disulphide, CS_2.

The three following series of observations are by Regnault :—

°	M.A.S. 26, 339 * mm.	P.M. [4], 8, 271 mm.	P.A. 111, 407 ; iii., 94 mm.
−20	47·30	....	43·5
−16	....	58·8	
−15	61·64	....	60·9
−10	79·44	79·0	81·0
− 5	101·29	....	104·4
0	127·91	127·3	132·0
+ 5	160·01		
10	198·46	199·3	203·0
15	244·13		
20	298·03	298·2	301·8
25	361·13		
30	434·62	434·6	
35	519·66		
40	617·53	617·5	617·0
45	729·53		
50	857·07	852·7	
55	1001·57		
60	1164·51	1162·6	1163·7
65	1347·52		
70	1552·09	1549·0	
75	1779·88		
80	2032·53	2030·5	2033·8
85	2311·70		
90	2619·08	2623·1	
95	2966·34		
100	3325·15	3321·3	3329·5
105	3727·19		
110	4164·06	4136·3	
115	4637·41		
120	5148·79	5121·6	5145·4
125	5699·69		
130	6291·60	6260·6	
135	6925·90	....	6895·0
136	....	7029·2	
140	7603·96		7556·9
145	8326·92		
150	9095·94		

Herwig, P.A. 137 and 141 ; vi., 682 :—

°	mm.	°	mm.
8·5	183·09	35·9	531·59
14·2	234·45	40·0	614·45
20·1	294·12	50·0	856·50
32·0	461·54		

Carbon disulphide (continued) :—

Winkelmann, W. 9, 374, 393 ; **38**, 692 :—

°	mm.
− 6·37	95
+ 8·90	190
26·38	380
	ats.
46·25	1
69·25	2
84·45	3
96·17	4
105·86	5
114·21	6
121·59	7
128·25	8
134·34	9
139·97	10

Ramsay and Young, **47**, 653 :—

°	mm.
0	127·9
1	133·85
2	140·05
3	146·45
4	153·1
5	160·0
6	167·15
7	174·6
8	182·25
9	190·2
10	198·45
11	207·0
12	215·8
13	224·95
14	234·4
15	244·15
16	254·25
17	264·65
18	275·4
19	286·55
20	298·05
21	309·9
22	322·1
23	334·7
24	347·7
25	361·1
26	374·95
27	389·2
28	403·9
29	419·0
30	434·6
31	450·65
32	467·15
33	484·15
34	501·65
35	519·65
36	538·15
37	557·15
38	576·75
39	596·85
40	617·5

Carbon disulphide (continued) :—

°	mm.
41	638·7
42	660·5
43	682·9
44	705·9
45	729·5
46	753·75
47	778·6
48	804·1
49	830·25
50	857·1

Ibid., P.M. [5], 20, 524 ; 21, 35 :—

°	mm.
− 18·95	50
− 5·3	100
+ 3·5	150
10·2	200
20·2	300
27·75	400
33·9	500
39·15	600
43·75	700
47·8	800
51·5	900
55·0	1000
68·9	1500
79·3	2000
95·7	3000
118·7	5000

Cagniard de la Tour, P.R. 30, 183 :—

°	ats.
c.t. 275	77·8

Hannay and Hogarth, P.R. 30, 183 ; C.N. 41, 103 :—

°	ats.
c.t. 272·96	77·9

Dewar, P.M. [5], 18, 214 ; C.N. 51, 29 :—

°	ats.
c.t. 277·7	78·1

Guthrie, P.M. [5], 18, 512 :—

°	mm.
13·8	251·6
16·0	264·8
19·02	284·5

Coleman, C.N. 51, 174 :—

Solidifies −116°

Cyanogen, C_2N_2.

Faraday, P.T. 135, 155 ; N. Bibl. Univ., 59, 162 ; ii., 276 :—

°	ats.
m.p.—34·4	b. 1·0
−17·8	1·25
−12·2	1·53
− 6·7	1·89
− 2·8	2·20
0	2·37
+ 3·6	2·72
6·9	3·00
8·9	3·17
10·0	3·28
11·1	3·36
17·2	4·00
21·1	4·50
23·3	4·79
34·2	6·50
35·0	6·64
39·4	7·50

Bunsen, P.A. 46, 101 :—

°	ats.
−20·7	1·00
−20	1·05
−15	1·45
−10	1·85
− 5	2·30
0	2·7
+ 5	3·2
10	3·8
15	4·4
20	5·0

Dewar, P.M. [5], 18, 214 :—

°	ats.
c.t. 124	61·7

Seelig [1886] :—

°	ats.
c. 15	4

Chloroform, $CHCl_3$.

Herwig, P.A. 137 and 141 :—

°	mm.
30·4	243·08
39·8	354·77
49·8	514·07

Dewar, P.M. [5], 18, 214 ; C.N. 51, 29 :—

°	ats.
c.t. 268	54·9

Guthrie, P.M. [5], 18, 511 :—

°	mm.
13·8	158·4
16·0	169·2
19·02	190·7

Chloroform (continued) :—

Regnault gives the following results : (1) by ebullition ; (2) by tension :—

°	M.A.S. 26, 339. mm.	P.M. [4], 8, 271. mm.	P.A. 111, 407 ; iii., 94. mm.
+ 10	....	130·4 (2)	
20	160·47	190·2 (2)	160·5
25	200·18		
30	247·51	276·1 (2)	
35	303·49		
36	....	342·2 (2) 313·4 (1)	
40	369·26	364·0 (1)	366·2
45	446·01		
50	535·05	524·3 (1)	
55	637·71		
60	755·44	738·0 (1)	751·0
65	889·72		
70	1042·11	976·2 (1)	
75	1214·20		
80	1407·64	1367·8 (1)	1404·6
85	1624·10		
90	1865·22	1811·5 (1)	
95	2132·85		
100	2428·54	2354·6 (1)	2426·5
105	2754·03		
110	3110·99	3020·4 (1)	
115	3501·03		
120	3925·74	3818·0 (1)	3916·2
125	4386·60		
130	4885·10	4721·0 (1)	
135	5422·53		
140	6000·16	....	5965·8
145	6619·20		
150	7280·62	....	7226·5
155	7985·35		
160	8734·20		
165	9527·82		

Winkelmann, W. 9, 369 :—

°	mm.
23·79	190
40·67	380
	ats.
60·18	1
82·59	2
97·55	3
109·04	4
118·56	5
126·78	6
134·08	7
140·66	8
146·70	9
152·34	10

Ramsay and Young, P.M. [5], 20, 517, 524 :—

°	mm.
25·0	200
34·7	300
42·0	400
48·0	500
53·2	600
57·9	700
61·0	760
61·8	800
65·3	900
68·7	1000
82·1	1500
92·5	2000
108·3	3000
121·0	4000
131·2	5000
140·0	6000
148·0	7000
155·0	8000

Methylchloride,

CH_3Cl.

Regnault, M.A.S. 26, 535 :—

°	ats.
—30	0·762
—20	1·16
—10	1·72
0	2·49
+10	3·51
20	4·83
30	6·50
35	7·49

Vincent and Chappuis, C.R. 100, 1218 ; 101, 428 ; **48**, 861, 1105 :—

°	ats.
—23·7	1
+35	7·5
40	8·75
50	11·2
60	14·3
70	17·87
80	22·15
90	27·65
100	33·90
110	41·0
120	49·8
130	61·0
135	65·0
140	70·6
141	72·0
c.t. 141·5	73·0

Ethyl chloride,

C_2H_5Cl.

Drion, A.C. [3], 56, 33 :—

°	ats.
c.t. 170	?

Regnault, M.A.S. 26, 339 ; P.A. 111, 408 :—

°	mm.
—20	187·55
—15	239·60
—10	302·09
— 5	376·72
0	465·18
+ 5	569·32
10	691·11
15	832·56
20	996·23
25	1184·17
30	1398·99
35	1643·24
40	1919·58
45	2230·71
50	2579·40
55	2968·43
60	3400·54
65	3878·52

Ethyl chloride (cont.) :—

°	mm.
70	4405·03
75	4982·72
80	5614·11
85	6301·61
90	7047·51
95	7853·92
100	8722·76

Sajotschewski, W.B. 3, 741 :—

°	ats.
110	14·81
120	17·35
130	20·92
140	25·27
150	30·22
160	35·85
170	42·00
c.t. 182·6	52·60

Vincent and Chappuis, C.R. 101, 428 ; **48**, 1105 :—

°	ats.
— 12·5	1
c.t. 182·5	54

Ramsay and Young, P.M. [5], 20, 524 ; 21, 38 :—

°	mm.
—24·3	150
—18·7	200
—10·1	300
— 3·6	400
+ 1·9	500
6·3	600
10·3	700
14·0	800
17·1	900
20·0	1000
32·0	1500
41·3	2000
55·5	3000
75·1	5000

Propyl chloride,

Pr^aCl.

Vincent and Chappuis, C.R. 103, 379 ; B.r. 19, 733 :—

°	ats.
57·5	1
c.t. 221	49

Chlorbenzene,

C_6H_5Cl.

Kahlbaum, B. 17, 1261 ; 18, 2107, 3149 :—

°	mm.
6·8	0

Chlorbenzene (cont.) :—

°	mm.
18·1	5
22·6	7·5
26·3	10
29·7	12·5
32·6	15
35·6	17·5
37·2	20
39·1	22·5
41·0	25
52·3	50
59·0	75
129·0	760

Ramsay and Young, **47**, 646, 654 ; P.M. [5], 20, 524 ; 21, 39 :—

°	* mm.
25·0	11·4
30	14·95
35	19·45
40	25·1
45	32·1
50	40·75
55	51·35
60	64·2
65	79·6
70	97·9
70·5	100·0
71	101·95
72	106·1
73	110·41
74	114·85
75	119·45
76	124·2
77	129·1
78	134·15
79	139·4
80	144·8
80·9	150
81	150·3
82	156·05
83	161·95
84	168·0
85	174·25
86	181·7
87	187·3
88	194·1
88·8	200·0
89	201·15
90	208·35
91	215·8
92	223·45
93	231·3
94	239·35
95	247·7
96	256·2
97	265·0
98	274·0
99	283·25
100	292·75
100·7	300·0

Chlorbenzene (cont.) :—

°	mm.
101	302·5
102	312·5
103	322·8
104	333·35
105	344·15
106	355·25
107	366·65
108	378·3
109	390·25
109·8	400·0
110	402·55
111	415·1
112	427·95
113	441·15
114	454·65
115	468·5
116	482·65
117	497·2
117·2	500·0
118	512·05
119	527·25
120	542·8
121	558·7
122	575·05
123	591·7
123·5	600·0
124	608·75
125	626·15
126	643·95
127	662·15
128	680·75
129	699·65
129·0	700·0
130	718·95
131	738·65
132	758·8
135	822·0

Benzylchloride,

$Ph.CH_2Cl$.

Kahlbaum, B. 17, 1261 ; 18, 2107 :—

°	mm.
48·3	0
58·7	5
63·5	7·5
66·1	10
68·8	12·5
71·3	15
73·8	17·5
76·1	20
78 3	22 5
80·5	25
94·2	50
102·8	75
179·0	760

p-Chlortoluene,
C_6H_4MeCl.
Kahlbaum, B. 17, 1261; 18, 2107:—

°	mm.
28·1	0
40·3	5
45·1	7·5
48·9	10
52·1	12·5
54·9	15
57·7	17·5
59·6	20
61·7	22·5
63·7	25
77·7	50
84·9	75
161·5	760

Bromoform,
$CHBr_3$.
Kahlbaum, B. 17, 1259; 18, 2107:—

°	mm.
25·7	0
34·2	5
37·8	7·5
40·9	10
43·5	12·5
45·8	15·0
48·1	17·5
50·2	20
52·3	22·5
54·3	25
66·0	50
73·4	75
150·0	760

Tribromethane,
$CHBr_2.CH_2Br$.
Anschütz, A. 221, 133; B. 16, 2918:—

°	mm.
73	11·5
83	18
187	751

Ethylenebromide,
$C_2H_4Br_2$.
Regnault, M.A.S. 26, 339:—

°	* mm.
−20	1·73
−15	2·03
−10	2·48
− 5	3·09
0	3·92
+ 5	5·01
10	6·42
15	8·25
20	10·57

Ethylenebromide (continued):—

°	mm.
25	13·51
30	17·20
35	21·80
40	27·49
45	34·47
50	42·99
55	53·31
60	65·75
65	80·64
70	98·36
75	119·34
80	144·02
85	172·92
90	206·58
95	245·51
100	290·43
105	342·11
110	401·08
115	468·13
120	544·06
125	629·66
130	725·77
135	833·26
140	953·00
145	1085·89
150	1232·83
155	1394·73
160	1572·49
165	1766·99
170	1979·14
175	2209·77
180	2459·73
185	2729·84
190	3020·83

Kahlbaum, B. 17, 1260:—

°	mm.
9·7	0
19·0	5
26·0	10
31·4	15
36·1	20
39·3	25
58·2	75
129·0	760

Ramsay and Young, P.T. [1884] 470:—

°	mm.
−1·9 s.	1·35
−1·9 l.	1·25
−1·7 l.	1·35
	ats.
130—132	1

Sample not quite pure.

Ethyl bromide,
C_2H_5Br.
Regnault, M.A.S. 26, 339:—

°	mm.
−20	59·16
−15	78·09
−10	101·54
− 5	130·58
0	165·57
+ 5	207·21
10	257·40
15	316·92
20	387·03
25	469·07
30	564·51
35	674·92
40	801·92
45	947·28
50	1112·79
55	1300·35
60	1511·92
65	1749·47
70	2015·06
75	2310·73
80	2638·57
85	3000·63
90	3398·95
95	3835·53
100	4312·32
105	4831·22
110	5394·01
115	6002·41
120	6658·00
125	7362·25
130	8116·49
135	8921·92
140	9779·56

Ibid., P.A. 111, 408, 409:—

°	mm.
+20	380
25	463
30	560
35	671
40	799
45	946
50	1112
55	1299
60	1511
65	1747
70	2011
75	2305
80	2630
85	2989
90	3384
95	3817
100	4290
105	4806
110	5267
115	5974
120	6631

Ethyl bromide (cont.):—

°	mm.
125	7339
130	8101
135	8919
140	9794

Herwig, P.A. 137 and 141; vi., 683:—

°	mm.
25	474·8
35	689·5
43	904·0

Ramsay and Young, P.M. [5], 20, 524; 21, 38:—

°	mm.
−23·0	50
−10·2	100
− 2·0	150
+ 4·0	200
13·8	300
20·9	400
26·8	500
31·7	600
36·0	700
40·0	800
43·3	900
46·6	1000
59·8	1500
69·7	2000
85·0	3000
106·3	5000

Isoamyl bromide,
$C_5H_{11}Br$.

°	mm.
5·0	0
12·4	5
17·6	10
22·4	15
27·0	20
30·6	25
43·5	50
50·8	75
118·6	760

Brombenzene,
C_6H_5Br.
Kahlbaum, B. 17, 1261; 18, 2107, 3149:—

°	mm.
15·8	0
29·8	5
36·3	7·5
41·5	10
45·7	12·5
49·6	15
52·8	17·5
55·7	20

Brombenzene (cont.):—

°	mm.
58·1	22·5
60·1	25
70·7	50
77·3	75
156·0	760

Ramsay and Young, 47, 647, 655; P.M. [5], 20, 524; 21, 39:—

°	* mm.
45	12·4
50	16·0
55	20·5
60	26·1
65	33·0
70	41·4
74·0	50·0
75	51·6
80	63·9
85	78·6
90	96·0
91·3	100·0
95	116·4
100	140·1
101·9	150·0
105	167·4
110	198·7
110·2	200·0
115	234·4
120	274·9
121	283·65
122	292·6
122·8	300·0
123	301·75
124	311·15
125	320·8
126	330·7
127	340·8
128	351·15
129	361·8
130	372·65
131	383·75
132	395·1
132·4	400·0
133	406·7
134	418·6
135	430·75
136	443·2
137	455·9
138	468·9
139	482·2
140	495·8
140·3	500·0
141	509·7
142	523·9
143	538·4
144	553·2
145	568·35
146	583·85
147	{ 599·65 600·0

Brombenzene (cont.):—

°	mm.
148	615·75
149	632·25
150	649·05
151	666·25
152	683·8
152·9	700·0
153	701·65
154	719·95
155	738·55
156	757·55
157	776·95
158	796·7
158·2	800·0
159	816·9
160	837·45

p-Bromtoluene,
C_6H_4MeBr.
Kahlbaum, B. 17, 1261; 18, 2107:—

°	mm.
44·4	0
55·4	5
59·6	7·5
63·4	10·0
66·7	12·5
69·8	15
72·6	17·5
75·2	20
77·4	22·5
79·6	25
95·7	50
104·4	75
183·0	760

Carnelley, not yet published:— (para-)

°	mm.
80	28·9
90	42·0
100	60·6
110	85·9
120	120·1
130	165·8
140	226
150	304
160	406
170	535
180	698
190	901
200	1152
210	1459
220	1831
230	2278

Bromnaphthalene, $C_{10}H_7Br$.

Ramsay and Young, 47, 653, 656; P.M. [5], 20, 524; 21, 40:—

°	mm.
110	3·6
115	4·4
120	5·45
125	6·8
130	8·5
135	10·6
140	13·15
145	16·2
150	19·8
155	24·0
160	28·85
165	34·4
170	40·75
175	48·05
180	56·45
185	66·1
190	77·15
195	89·75
200	104·05
205	120·2
210	138·4
212·9	150·0
215	158·85
216	163·25
217	167·7
218	172·3
219	176·95
220	181·75
221	186·65
222	191·65
223	196·75
223·6	200·0
224	202·0
225	207·35
226	212·8
227	218·4
228	224·15
229	230·0
230	235·95
231	242·05
232	248·3
233	254·65
234	261·2
235	267·85
236	274·65
237	281·6
238	288·7
239	295·95
239·5	300·0
240	303·35
241	310·9
242	318·65
243	326·5
244	334·55
245	342·75
246	351·1
247	359·65
248	368·4

Bromnaphthalene (continued):—

°	mm.
249	377·3
250	386·35
251	395·6
251·5	400·0
252	405·05
253	414·65
254	424·45
255	434·45
256	444·65
257	455·0
258	465·6
259	476·35
260	487·35
261	498·55
261·1	500·0
262	509·9
263	521·5
264	533·35
265	545·35
266	557·6
267	570·05
268	582·7
269	595·6
269·3	600·0
270	608·75
271	622·1
272	635·7
273	649·5
274	663·55
275	677·85
276	692·4
276·5	700·0
277	707·15
278	722·15
279	737·45
280	752·98
281	768·70
282·9	800
285	834·35

Ethyl iodide, C_2H_5I.

Regnault, M.A.S. 26, 339; P.A. 111, 409:—

°	mm.
0	41·95
+ 5	54·14
10	69·20
15	87·64
20	110·02
25	136·95
30	169·07
35	207·09
40	251·73
45	303·77
50	364·0
55	433·21
60	512·25

Ethyl iodide (cont.):— Ramsay and Young, P.M. [5], 20, 524:—

°	mm.
18·0	100
27·0	150
34·0	200
44·7	300
52·7	400
59·2	500

Propyl iodide, $Pr^{\alpha}I$.

Brown, P. R. 26, 244, 247; 32, 837:—

°	mm.
53·06	138·6
53·17	139·8*
53·26	139·6
56·17	157·9*
61·80	195·9
62·37	200·0
62·70	203·0*
70·45	269·6
73·51	300·0
79·11	365·3
81·95	400·0
84·15	431·3*
88·84	500·0
90·05	520·0
94·70	600·0
96·81	640·4
99·83	700·0
100·21	707·1
100·45	712·7*
101·37	732·1
102·63	760·0

* Pt. foil in liquid.

Isopropyl iodide, $Pr^{\beta}I$. *Ibid.*:—

°	mm.
48·90	187·9
50·50	200·0
54·43	232·6
55·93	245·9
61·33	300·0
62·40	311·2
69·63	399·7
69·70	400·0
72·3	437·4
74·71	472·8
76·44	500·0
78·13	530·6
80·52	570·6
82·11	600·0
83·79	631·9
87·13	700·0
87·64	709·9
89·66	754·8
89·86	760·0

Formic acid, CH_2O_2.

Landolt, As. 6, 129:—

°	mm.
10	18·4
15	24·1
20	31·4
25	40·4
30	51·6
35	65·4
40	82·3
45	102·7
50	127·2
55	156·5
60	191·2
65	232·1
70	280·0
75	335·6
80	399·8
85	473·7
90	558·0
95	653·8
100	762·0

Kahlbaum, B. 16, 2480; 17, 1259, 1267; 18, 3147:—

°	mm.
11·3	0
13·8	5
15·8	10
17·9	15
19·9	20
20·3; 26	22·0
21·8	24·84
22·0	25·0
22·6	27·66
23·7	30·0
24·6	32·58
25·6	35·0
27·3	40·0
27·9	41·40
29·1	45·0
30·5	49·66
30·7	50·0
32·2	55·0
33·7	60·0
35·1	65·0
36·2	70·0
37·6	74·54
37·7	75
38·3	80
39·2	85
40·2	90
41·1	95
42·0	100
100·6	760·0

Schall, B. 17, 2568:—

°	mm.
15·8	10
17·9	15
19·9	20
22·0	25

Formic acid (cont.):—

°	mm.
30·7	50
37·7	75
105·3	760

Richardson, 49, 765:—

°	mm.
5·7	13·46
6·1	14·60
7·2	13·46
10·2	17·44
13·2	20·93
18·5	28·66
21·7	32·94
22·7	34·59
29·7	48·08
31·0	50·00
35·7	65·02
39·1	73·26
44·3	84·82
44·45	82·97
46·2	99·165
46·9	100
56·1	150
63·1	200
69·0	250
74·1	300
78·8	350
82·8	400
86·5	450
89·5	500
92·0	550
94·5	600
96·7	650
98·9	700
101·0	750
101·7	762·52

Methyl alcohol, CH_4O.

Regnault, M.A.S. 26, 339; P.A. 111, 408:—

°	mm.
—20	6·27
—15	9·29
—10	13·47
— 5	19·17
0	26·82
+ 5	36·89
10	50·13
15	67·11
20	88·67
25	115·99
30	149·99
35	192·01
40	243·51
45	306·13
50	381·68
55	472·20
60	579·93
65	707·33
70	857·10

Methyl alcohol (cont.):—

°	mm.
75	1032·14
80	1238·47
85	1470·92
90	1741·67
95	2051·71
100	2405·15
105	2806·27
110	3259·60
115	3769·80
120	4341·77
125	4980·55
130	5691·30
135	6479·32
140	7337·10
145	8308·87
150	9361·35

Ramsay and Young, P.M. [5], 20, 524; 21, 37:—

°	mm.
— 14·0	10
+ 10·0	50
22·0	100
30·0	150
35·9	200
44·6	300
51·0	400
56·3	500
60·9	600
64·8	700
68·1	800
71·1	900
70·1 (?)	1000
85·9	1500
94·1	2000
107·1	3000
125·1	5000

Richardson, 49, 762, 775:—

°	mm.
—10·1	15·05
— 8·3	17·3
— 7·3	18·76
— 6·3	19·26
— 5·3	21·24 (?)
— 4·8	20·54 (?)
— 3·3	24·33
— 2·3	25·23
— 1·7	26·92
+ 0·2	28·67
0·7	32·06
2·2	35·15
4·2	38·30 (?)
4·7	36·89 (?)
6·25	43·88
7·7	48·87
8·5	48·97
9·0	50·00
11·2	55·82
12·2	58·48

Methyl alcohol (cont.):—

°	mm.
21·8	100
29·0	150
35·9	200
40·5	250
44·4	300
47·9	350
51·0	400
54·0	450
56·5	500
58·5	550
60·5	600
62·4	650
64·1	700
65·9	750

Methylic formate, $C_2H_4O_2$.

Schumann, W. 12, 46; B., 14, 1273:—

°	mm.
−23·9	54
−23·3	58
−15·6	91
− 6·5	143
− 2·3	169
0·0	192
+ 0·4	197
0·7	200
5·1	244
8·9	289
13·1	352
18·4	437
20·2	474
21·4	501
23·6	548
25·7	592
31·0	730
32·3	760
34·7	837
38·2	950
40·9	1043
43·2	1133
45·6	1236
47·1	1300
47·9	1327
49·8	1414

Acetic acid, $C_2H_4O_2$.

Regnault, M.A.S. 26, 51; P.M. [4], 9, 23.

Liquid acid:—

°	mm.
4·36	5·63
6·55	6·37
7·62	6·83
10·09	7·80
14·43	10·02
17·09	11·61
19·91	13·56

Acetic acid (cont.):—

°	mm.
−5·11	3·35
−2·40	3·90
−0·69	4·27
+1·36	5·23
1·53	4·83
3·09	5·27
3·81	5·99
5·52	5·97
7·21	6·64
8·19	7·01
9·09	7·81
10·91	8·12
10·95	8·48
13·13	9·29
14·74	10·23
15·92	10·87
18·23	12·34

Solid acid:—

°	mm.
−7·55	3·25
−5·83	3·56
−4·24	3·93
−2·56	4·26
−0·82	4·71
0	4·89
0	3·78
1·23	4·02
3·51	4·59
5·52	5·18

Liquid acid:—

°	mm.
−5·38	3·21
+3·03	4·96
5·35	5·59
7·01	6·06
7·40	6·22
8·61	6·57
10·33	7·28
11·09	7·52
12·24	8·03
12·25	8·05
15·18	9·39
18·79	11·37
21·57	13·26
1·32	3·96
3·54	4·50
5·77	5·14
7·04	5·61
7·09	5·53
7·17	5·57
8·07	5·79
9·71	6·42
12·12	7·33
14·33	8·42
14·87	8·59
17·23	9·85
19·84	11·46
22·37	13·15
25·28	15·36

Acetic acid (cont.):—

Solid acid:—

°	mm.
0	3·23
3·57	4·06
6·92	5·08
9·96	6·28
11·49	6·97
12·43	7·48
13·14	7·86

Landolt, As. 6, 129:—

°	mm.
0	7·6
5	9·6
10	12·1
15	15·1
20	18·9
25	23·5
30	29·1
35	35·9
40	44·1
45	54·0
50	66·0
55	80·3
60	97·4
65	117·8
70	142·0
75	170·6
80	204·3
85	244
90	290·6
95	345·2
100	408·5
105	482·5
110	567·8
115	667·0
120	781·1
125	912·3
130	1062·8
135	1234·9
140	1431·3

cf. Horstmann, B. 3, 80; 11, 1292:—

Bineau, quoted by Ramsay, 47, 45:—

°	mm.
15	7·7
22	14·5
32	23·0

Naumann, A. 155, 325:—

°	mm.
78	185

Wüllner, P.A. 103, 529:—

°	mm.
14	15·7
20	19·0
30	30·5
40	45·5
50	72

Acetic acid (cont.):—

°	mm.
60	107·3
70	155·2
80	232·9
90	346·7
100	473·0

cf. Kahlbaum, B. 18, 3148.

Ramsay and Young, **47**, 44; **49**, 805; P.T. [1884], 464; [1886], 112; B.r. 18, 136; B. 19, 71; P.M. [5], 21, 45; cf. Kahlbaum, 19, 2863.

Solid acid:—

°	* mm.
−5·68	1·3
−0·60	1·95
−0·11	2·00†
+1·85	2·35
2·86	2·80
4·10	3·00†
5·32	3·30
6·30	3·70
6·41	3·75
6·68	3·85
7·14	4·00†
7·20	4·05
8·40	4·25
8·50	4·35
8·72	4·60
9·16	4·70
9·60	5·00†
10·40	5·30
11·39	5·75
11·67	6·00†
11·70	6·15
12·15	6·05
12·60	6·65
13·30	6·75
13·37	7·00†
13·96	7·30
14·30	7·20
14·58	7·95
14·80	8·00†
15·15	8·40
15·40	8·75
15·60	8·55
15·80	8·85
16·09	8·95
16·08	9·00†
16·20	9·10
16·32	9·15
16·41	9·45

Liquid acid:—

	*
0	3·5†
2·72	4·0
4·20	4·25

Acetic acid (cont.):—

°	mm.
4·70	4·75
6·01	5·00†
7·06	5·25
7·13	5·40
8·56	5·95
9·14	6·00†
9·70	6·20
10·00	6·34†
10·60	6·50
10·70	6·75
11·64	7·00†
12·30	7·30
13·91	8·00†
13·70	8·10
14·20	8·30
14·39	8·45
14·72	8·50
14·90	8·55
15·88	9·00†
15·50	9·10
15·60	9·15
15·70	9·35
16·75	10·45
17·00	9·75
17·60	10·00†
18·60	11·10
19·20	11·05
20·00	11·80†
20·10	12·00
20·90	12·45
21·40	12·65
21·68	12·85
22·05	13·05
22·4	12·90
23·0	13·65
23·4	13·80
25·6	15·95
27·2	16·80
27·3	17·45
30·0	19·9
31·3	21·8
32·7	22·9
36·1	28·3
36·9	28·9
40·0	34·0†
40·1	34·3
43·8	41·7
48·0	50·0†
48·2	51·3
48·5	51·7
49·2	53·7
49·65	55·6
50·0	56·2†
50·5	58·1
53·5	66·7
57·4	78·7
59·6	87·6
60·0	88·3†
61·8	96·3
62·9	100·0†

Acetic acid (cont.):—

°	mm.
68·5	127·5
69·1	131·9
70·0	137·1†
71·6	146·3
72·4	150·0†
73·2	156·2
76·4	177·3
78·8	194·4
79·8	199·5
79·9	200·0†
80·0	202·1†
81·65	215·2
83·4	228·0
83·9	236·3
84·6	242·1
87·5	267·8
90·0	292·8†
90·75	300·0†
91·4	307·9
94·5	344·3
97·4	376·4
98·6	396·3
98·9	400·0†
100·0	416·5†
100·6	425·2
103·3	460·3
105·15	500·0†
105·45	501·8
107·45	540·0
110·0	582·6†
110·4	587·1
111·0	600·0†
112·4	623·8
113·4	642·6
114·1	657·5
116·45	700·0†
117·15	717·9
120·0	794·0†
130·0	1040·0†
140·0	1381·0†

Richardson, **49**, 765, 776:—

°	mm.
2·72	4·0
5·59	4·9
6·11	5·0
6·87	5·1
7·06	5·25
7·62	5·50
8·27	5·90
9·70	6·20
10·60	6·50
10·7	6·75
14·72	8·5
15·5	9·1
17·0	9·75
20·1	12·0
25·6	15·95
31·3	21·8

† Obtained by interpolation.

Acetic acid (cont.):—

°	mm.
36·1	28·3
40·1	34·3
48·1	50·0
48·5	51·7
57·4	78·7
59·6	87·6
62·5	100·0
68·5	127·5
69·1	131·9
72·3	150·0
73·2	156·2
79·5	200·0
81·65	215·2
85·5	250·0
90·7	300·0
91·4	307·9
95·1	350·0
98·9	400·0
100·6	425·0
102·2	450·0
105·4	500·0
105·45	501·8
108·3	550·0
110·4	587·1
111·2	600·0
113·8	650·0
114·1	657·5
116·5	700·0
117·15	717·9
119·0	750·0

Dimethyl oxide,
C_2H_6O.
Regnault, M.A.S. 26, 535:—

°	ats.
−30	·759
−20	1·16
−10	1·72
0	2·47
+10	3·40
20	4·72
30	6·29

Ethyl alcohol,
C_2H_6O.
Regnault, M.A.S. 26, 339:—

°	mm.
−20	3·34
−15	5·10
−10	6·47
− 5	9·09
0	12·70
+ 5	17·62
10	24·23
15	32·98
20	44·46
25	59·37
30	78·52
35	102·91

Ethyl alcohol (cont.):—

°	mm.
40	133·69
45	172·18
50	219·90
55	278·59
60	350·21
65	436·90
70	541·15
75	665·54
80	812·91
85	986·40
90	1189·30
95	1425·13
100	1697·55
105	2010·38
110	2367·64
115	2773·40
120	3231·73
125	3746·88
130	4323·00
135	4964·22
140	5674·59
145	6458·10
150	7318·40
155	8259·19

Ibid., C.R. 50, 1067; P.A. 111, 407; iii., 94:—

°	mm.
0	12·83
10	24·30
20	44·48
30	78·49
40	133·64
50	219·88
60	350·26
70	541·21
80	812·76
90	1188·43
100	1694·92
110	2361·63
120	3219·68
130	4301·04
140	5637·00
150	7258·73

Ibid., P.M. [4], 8, 271:—

°	mm.
−21	3·12
−20	3·34
−10	6·50
0	12·73
+10	24·08
20	44·0
30	78·4
40	134·1
50	220·3
60	350·0
70	539·2
80	812·8
90	1190·4
100	1685·0
110	2351·8
120	3207·8
130	4331·2

Ethyl alcohol (cont.):—

°	mm.
140	5637·7
150	7257·8
152	7617·3

Vap. tension of absolute alcohol calculated from Regnault's measurements (M.A.S. 26, 349, see above) by Bunsen, Gasomet. Meth. Tab. 3.:—

°	mm.
0·0	12·73
·1	12·82
·2	12·91
·3	13·01
·4	13·10
·5	13·19
·6	13·28
·7	13·37
·8	13·46
·9	13·56
1·0	13·65
·1	13·74
·2	13·84
·3	13·93
·4	14·03
·5	14·12
·6	14·22
·7	14·31
·8	14·41
·9	14·50
2·0	14·60
·1	14·70
·2	14·79
·3	14·89
·4	14·99
·5	15·09
·6	15·19
·7	15·29
·8	15·39
·9	15·49
3·0	15·59
·1	15·69
·2	15·79
·3	15·90
·4	16·00
·5	16·10
·6	16·21
·7	16·31
·8	16·41
·9	16·52
4·0	16·62
·1	16·73
·2	16·84
·3	16·95
·4	17·05
·5	17·16
·6	17·27
·7	17·38
·8	17·48
·9	17·59

Ethyl alcohol (cont.):—

°	mm.
5·0	17·70
·1	17·80
·2	17·93
·3	18·04
·4	18·16
·5	18·27
·6	18·38
·7	18·50
·8	18·61
·9	18·73
6·0	18·84
·1	18·96
·2	19·08
·3	19·20
·4	19·32
·5	19·44
·6	19·56
·7	19·68
·8	19·80
·9	19·92
7·0	20·04
·1	20·17
·2	20·30
·3	20·43
·4	20·55
·5	20·68
·6	20·81
·7	20·93
·8	21·06
·9	21·19
8·0	21·31
·1	21·45
·2	21·58
·3	21·72
·4	21·85
·5	21·99
·6	22·12
·7	22·25
·8	22·39
·9	22·52
9·0	22·66
·1	22·80
·2	22·94
·3	23·08
·4	23·23
·5	23·37
·6	23·51
·7	23·65
·8	23·79
·9	23·94
10·0	24·08
·1	24·23
·2	24·38
·3	24·53
·4	24·68
·5	24·83
·6	24·99
·7	25·14
·8	25·29
·9	25·44
11·0	25·59
·1	25·75

Ethyl alcohol (cont.):—

°	mm.
11·2	25·91
·3	26·07
·4	26·23
·5	26·39
·6	26·55
·7	26·71
·8	26·87
·9	27·03
12·0	27·19
·1	27·36
·2	27·53
·3	27·70
·4	27·87
·5	28·04
·6	28·21
·7	28·38
·8	28·55
·9	28·72
13·0	28·89
·1	29·07
·2	29·25
·3	29·43
·4	29·61
·5	29·79
·6	29·97
·7	30·15
·8	30·33
·9	30·51
14·0	30·69
·1	30·88
·2	31·07
·3	31·26
·4	31·45
·5	31·64
·6	31·84
·7	32·03
·8	32·22
·9	32·41
15·0	32·60
·1	32·80
·2	33·01
·3	33·21
·4	33·41
·5	33·61
·6	33·82
·7	34·02
·8	34·22
·9	34·42
16·0	34·62
·1	34·84
·2	35·05
·3	35·27
·4	35·48
·5	35·70
·6	35·91
·7	36·13
·8	36·34
·9	36·56
17·0	36·77
·1	37·00
·2	37·23
·3	37·45

Ethyl alcohol (cont.):—

°	mm.
17·4	37·68
·5	37·91
·6	38·14
·7	38·36
·8	38·59
·9	38·82
18·0	39·05
·1	39·29
·2	39·53
·3	39·77
·4	40·01
·5	40·25
·6	40·49
·7	40·73
·8	40·97
·9	41·21
19·0	41·45
·1	41·71
·2	41·96
·3	42·22
·4	42·47
·5	42·73
·6	42·98
·7	43·24
·8	43·49
·9	43·75
20·0	44·00
·1	44·27
·2	44·54
·3	44·81
·4	45·08
·5	45·35
·6	45·61
·7	45·88
·8	46·15
·9	46·42
21·0	46·69
·1	46·98
·2	47·26
·3	47·55
·4	47·83
·5	48·12
·6	48·40
·7	48·69
·8	48·97
·9	49·26
22·0	49·54
·1	49·84
·2	50·14
·3	50·44
·4	50·74
·5	51·04
·6	51·34
·7	51·64
·8	51·94
·9	52·24
23·0	52·54
·1	52·86
·2	53·17
·3	53·49
·4	53·81
·5	54·12

Ethyl alcohol (cont.):—

°	mm.
23·6	54·44
·7	54·75
·8	55·07
·9	55·38
24·0	55·70
·1	56·04
·2	56·37
·3	56·70
·4	57·03
·5	57·37
·6	57·70
·7	58·03
·8	58·36
·9	58·70
25·0	59·03
·1	59·38
·2	59·73
·3	60·08
·4	60·43
·5	60·78
·6	61·13
·7	61·48
·8	61·83
·9	62·18
26·0	62·53
·1	62·90
·2	63·27
·3	63·64
·4	64·01
·5	64·37
·6	64·74
·7	65·11
·8	65·48
·9	65·85
27·0	66·22
·1	66·60
·2	66·99
·3	67·38
·4	67·77
·5	68·15
·6	68·54
·7	68·93
·8	69·31
·9	69·70
28·0	70·02
·1	70·49
·2	70·89
·3	71·29
·4	71·69
·5	72·09
·6	72·49
·7	72·89
·8	73·29
·9	73·69
29·0	74·09
·1	74·53
·2	74·96
·3	75·39
·4	75·82
·5	76·25
·6	76·68
·7	77·12

Ethyl alcohol (cont.):—

°	mm.
29·8	77·55
·9	77·98
30·0	78·41

Herwig, P.A. 137 and 141; vi., 682. Contained a trace of water:—

°	mm.
23	50·23
30·5	77·58
36·4	108·0
41·9	144·7
47·8	196·5
57·8	315·8
62·9	396·83
69·9	537·63

Kahlbaum, B. 16, 2480; 17, 1259; 18, 2856:—

°	mm.
−4·5	0
+1·5	5
6·5	10
9·5	15
12·4	20
12·8	20·5
14·4	25
17·4	30·86
21·0	41·32
23·5	50
24·4	54·86
24·8	56·86
26·2	61·96
29·0	75
78·2	760

*

Ramsay and Young, P.T. [1886], 127, 154:—

°	mm.
−5	8·60
−4·67	8·75
−4·27	9·20
−3·36	9·80
−2·50	10·25
−1·63	10·75
−1·60	10·90
−1·10	11·05
−0·92	11·35
−0·79	11·60
−0·39	11·85
−0·13	12·05
+0·09	12·45
0·54	12·70
0·70	12·85
0·99	13·00
1·28	13·15
1·63	13·75
2·31	14·20
2·78	14·85
3·47	15·45
4·67	16·90

Ethyl alcohol (cont.):—

°	mm.
5·43	17·75
6·55	18·85
7·65	20·15
9·15	22·15
10·72	24·90
12·39	27·60
14·09	30·60
15·87	34·00
16·69	35·90
17·65	37·90
18·55	40·00
19·96	43·95
20·86	46·55
22·55	51·45
23·43	53·95
24·46	57·60
25·37	60·50
26·46	64·70
27·25	67·60
28·03	69·90
29·36	75·75
32·60	90·6
0	12·24
10	23·77
20	44·00
30	78·06
90	1194·3
110	2356
130	4320
140	5666
150	7326
160	9366
170	11856
180	14763
190	18178
200	22164
210	26821
220	32097
230	38176
240	45504
	ats.
c.t. 243·6	62·8

Ibid., **47**, 654; P.M. [5], 20, 524; 21, 36:—

°	mm.
3·75	10
22	50
34·5	100
40	133·7
41	140·75
42	148·1
42·3	150
43	155·8
44	163·8
45	172·2
46	181·0
47	190·1
48	200
49	209·6
50	220·0
51	230·8

Ethyl alcohol (cont.):—

°	mm.
52	242·05
53	253·8
54	265·9
55	278·6
56	291·85
56·8	300
57	305·65
58	319·95
59	334·85
60	350·3
61	366·4
62	383·1
63	400
64	418·35
65	437
66	456·35
67	476·45
68	497·25
68·1	500
69	518·85
70	541·2
71	564·35
72	588·35
72·45	600
73	613·2
74	638·95
75	665·55
76	693·1
76·1	700
77	721·55
78	751·0
79	781·45
79·65	800
80	812·9
82·6	900
85·4	1000
96·8	1500
105	2000
117·6	3000
135·3	5000
162·7	10000
180·5	15000
194·1	20000

Richardson, **49**, 762, 775; B.r. 19, 808:—

°	mm.
−3·3	10·23
+4·2	16·89
4·8	17·94
7·3	22·39
8·8	23·31
9·8	24·51
10·7	25·80
13·6	30·67
17·2	38·57
19·8	45·22
21·8	50·0
22·6	51·96
23·1	54·86
23·5	56·25
25·3	62·48
26·8	68·96

Ethyl alcohol (cont.):—

°	mm.
27·3	71·11
29·6	80·61
30·7	82·86
34·0	100
32·8	95·1
34·8	104·81
35·3	107·22
36·6	114·59
37·3	119·97
40·1	138·41
41·8	150
42·2	155·59
43·1	162·96
43·8	165·41
46·5	189·56
47·2	199·18
47·4	200
49·6	222·87
50·05	226·99
52·1	250
52·8	257·52
53·7	269·83
55·5	258·49
56·0	300
57·3	320·87
59·8	349·02
59·5	350
61·0	370·12
62·5	400
65·5	450
65·8	451·48
68·3	500
68·8	513·76
70·5	550
71·1	569·64
72·5	600
73·8	642·98
74·1	650
76·1	700
78·0	750
78·2	760

Sajotschewski, W.B. 3, 741:—

°	ats.
c.t. 234·3	62·1

Hannay and Hogarth, P.R. 30, 183, 484:—

°	ats.
c.t. 234·6	65

Strauss, W.B. 6, 282:—

°	ats.
c.t. 240·6	?

De la Tour, P.R. 30, 184:—

°	ats.
c.t. 258·7	119

Ramsay, P.R. 38, 330; **48**, 1178:—

°	ats.
c.t. 243·6	64·3

Acetone, $CO(CH_3)_2$.

Regnault, M.A.S. 26, 339; P.A. 111, 408:—

°	mm.
20	197·63
25	226·27
30	281·00
35	345·15
40	420·15
45	507·52
50	602·86
55	725·95
60	860·48
65	1014·32
70	1189·38
75	1387·62
80	1611·05
85	1861·81
90	2141·66
95	2452·81
100	2797·27
105	3177·00
110	3593·96
115	4050·02
120	4546·86
125	5086·25
130	5669·72
135	6298·68
140	6974·43

Winkelmann, W. 9, 366; **38**, 692:—

°	ats.
21·17	$\frac{1}{4}$
37·32	$\frac{1}{2}$
56·32	1
78·03	2
92·30	3
103·26	4
112·30	5
120·08	6
126·95	7
133·15	8
138·81	9
144·05	10

Ethylic formate, $C_3H_6O_2$

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
−9·5	40
+1·2	81
9·5	121
20·1	200
20·9	206
26·2	256
29·6	291
33·2	342
38·2	419
41·5	477
44·9	541
49·4	638
53·1	730

5 A 2

Ethylic formate (continued):—

°	mm.
54·4	760
56·4	814
61·2	961
65·9	1124
69·0	1243
70·2	1300
73·0	1408

Methylic acetate, $C_3H_6O_2$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
−9·5	27
0·0	57
+8·8	95
18·9	159
21·7	183
23·5	200
24·2	204
31·2	280
34·7	323
37·4	364
40·2	407
43·6	465
45·7	503
48·7	562
51·8	630
56·2	730
57·5	760
60·1	847
63·3	946
67·7	1088
71·4	1237
73·0	1300
75·4	1404

Propionic acid, $C_3H_6O_2$.

Landolt, As. 6, 129:—

°	mm.
10	5·4
15	6·7
20	8·3
25	10·3
30	12·7
35	15·6
40	19·2
45	23·5
50	28·7
55	35·0
60	42·7
65	51·9
70	62·9
75	76·2
80	92·0
85	110·8
90	133·5
95	160·3
100	192·1

Propionic acid (cont.):—

°	mm.
105	229·7
110	274·4
115	327·1
120	389·0
125	462·0
130	547·5
135	650·2
140	765·2
145	902·3
150	1062·0
155	1248·6

Schall, B. 17, 2568:—

°	mm.
46·5	10
51·6	15
55·4	20
59·0	25
71·6	50
77·2	75
141·8	760

Kahlbaum, B. 16, 2480; 17, 1259; 18, 2107, 3147; 19, 2864; **46**, 141:—

°	mm.
34·7	0·0
41·1	5·0
43·9	7·5
46·5	10·0
49·0	12·5
51·2	15·0
53·4	17·5
55·4	20·0
56·5	21·31
57·1	22·0
57·6	22·46
57·2	22·50
59·0	25·0
62·8	30·0
63·5	31·34
65·7	35·0
68·0	40·0
68·8	41·7
69·2	44·2
70·0	45·0
70·4	47·3
71·6	50·0
73·2	55·0
74·3	60·0
75·4	65·0
76·4	70·0
77·2	75·0
78·2	80·0
78·9	85·0
79·7	90·0
80·2	95·0
80·8	100·0
139·4	760

Propionic acid (cont.):—Richardson, 49, 766, 776; B.r. 19, 808:—

°	mm.
13·9	2·49
14·7	2·98
15·82	2·74
16·7	3·59
20·2	2·99
20·45	3·98
24·7	4·98
28·7	4·73
31·7	5·48
35·7	6·97
39·7	8·37
46·7	13·20
49·6	15·84
55·0	22·02
56·2	21·92
60·12	19·44
65·2	35·87
72·0	50·0
77·7	66·27
81·2	76·73
83·2	86·45
86·7	100·0
87·7	104·14
92·7	131·34
96·4	150·0
100·7	176·39
103·2	196·56
103·5	200·0
108·7	247·89
108·9	250·0
113·3	300·0
113·7	303·44
117·7	350·0
120·3	388·80
121·5	400·0
125·3	450·0
125·45	453·5
128·4	500·0
131·1	550·0
132·7	572·25
133·4	600·0
135·6	650·0
137·7	700·0
140·0	750·0
140·3	760·0

Propyl alcohol, C_3H_8O.

Kahlbaum, B. 16, 2480; 17, 1259:—

°	mm.
6	0
11·8	5
16·3	10
20·6	15
22·3	16·78
24·6	20
27·8	25
31·4	30·2

Propyl alcohol (cont.):—

°	mm.
35·6	39·6
39·7	50·0
43·2	62·18
47·3	75·0
96·6	760

Richardson, **49**, 763; B.r. 19, 808:—

°	mm.
2·0	4·59
4·8	5·19
6·2	5·78
10·8	7·84
11·45	8·56
11·7	8·83
13·45	9·49
14·9	10·96
20·7	15·46
23·7	18·82
28·2	24·96
30·6	29·04
33·8	34·90
33·7	35·23
35·1	39·81
36·7	40·74
38·2	45·50
39·2	47·40
40·3	50·00 †
41·7	54·88
43·7	61·67
44·7	65·21
46·7	73·50
48·7	83·53
48·1	84·32
52·4	100·0 †
53·9	106·92
55·7	119·25
56·5	129·23
59·7	143·0
60·7	150·0
62·5	163·96
66·5	200·0 †
66·2	214·75
68·7	220·74
71·4	250·0
74·5	287·3
75·3	300·0 †
78·8	350·0 †
79·2	358·75
81·8	400·0 †
84·2	450·0 †
85·7	477·51
86·9	500·0 †
89·0	550·0 †
90·2	566·22
90·8	600·0 †
92·5	650·0 †
94·1	700·0 †
97·2	745·95
96·0	750·0 †

† By interpolation.

Propyl alcohol (cont.):—Nadejdine, W.B. [1883], 678:—

°	ats.
c.t. 258	?

Glycerol, $C_3H_8O_3$.

Richardson, **49**, 764; B.r. 19, 808:—

°	mm.
118·45	·238
118·75	·298
120·77	·348
122·92	·398
123·85	·448
127·91	·499
130·8	1·891
134·8	1·941
137·0	2·000
138·39	2·191
139·04	2·338
141·04	2·49
143·64	3·046
147·06	3·385
151·99	4·083
161·25	6·527
162·45	8·115
171·05	12·694
172·80	12·745
183·25	20·461
195·30	34·369
200·8	44·865
201·3	45·61
211·5	65·61
220·3	100·813
229·5	137·95
241·8	201·225
250·3	231·872
260·4	385·326

2nd Experiment.

°	mm.
122·8	0·597
127·91	0·746
135·51	1·165
136·52	2·340
145·55	3·285
152·34	4·659
163·36	7·417
169·70	12·059
175·52	15·683
183·40	20·512
192·0	30·62
199·8	41·81
205·8	52·767
211·5	68·703
217·3	86·725
224·3	115·25
227·0	130·535
229·8	144·87
237·1	183·503
246·4	239·95
248·5	258·627
245·3	266·85
257·3	347·092

Acetic anhydride, $C_4H_6O_3$.

Kahlbaum, B. 16, 2481; B. 17, 1259, 2570; 18, 2107; **46**, 141:—

°	mm.
26·8	0·0
34·2	5
37·2	7·5
39·9	10
42·6	12·5
44·5	15
44·6	15·02
47·0	17·5
49·2	20
50·8	22·5
52·4	25
53·4	25·86
59·0	33·70
62·6	41·24
66·4	50
68·2	53·04
75·3	75
81·2	105·46
136·4 } 137·9 }	760

Dimethylic oxalate, $C_4H_6O_4$.

Regnault, P.A. 111, 410:—

°	mm.
109·4	117·3
109·5	117·5
125·98	222·7
126·06	222·9
136·5	320·1
145·1	423·4
155·7	591·4
164·3	761·3
164·5	763·5
190·65	1589·8
217·2	2958·7
228·9	3875·9
237·2	4849·7
242·9	4867·8
253·5	6203·1

Propylic formate, $C_4H_8O_2$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
9·0	38
11·9	41
20·0	61
24·7	78
29·2	101
33·4	121
37·8	148
41·6	175
45·0	200
45·1	201

Propylic formate (continued) :—

°	mm.
49·5	240
53·9	282
56·7	312
64·9	437
72·9	580
76·2	652
79·9	730
81·0	760
82·5	796
86·3	905
90·4	1027
92·5	1097
95·3	1192
98·2	1298
98·3	1300
101·1	1412

Ethylic acetate,

$C_4H_8O_2$.

Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
13·0	53
20·1	73
22·0	81
30·6	123
33·3	139
36·2	158
38·9	177
41·4	200
42·1	202
45·2	233
48·3	266
52·9	318
56·7	371
60·3	422
67·3	545
70·3	605
72·9	665
75·7	729
77·1	760
77·7	772
80·2	849
87·2	1051
89·2	1117
91·8	1208
94·0	1292
94·3	1300
95·5	1347
97·0	1403

Methylic propionate, $C_4H_8O_2$.

Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
4·5	34
17·1	58
23·4	77

Methylic propionate (continued) :—

°	mm.
24·9	82
33·2	125
35·5	141
38·5	161
41·2	182
43·7	200
45·6	216
50·0	260
55·0	318
59·4	377
63·7	439
67·1	496
70·0	550
74·3	633
78·4	733
79·9	760
82·0	824
89·9	1052
93·1	1159
96·3	1275
97·0	1300
99·7	1398

Isobutyric acid,

$C_4H_8O_2$.

Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
113·8	200
153·3	760
168·9	1300

Kahlbaum, B. 16, 2480 ; 17, 1259 ; 18, 2107 ; 19, 2864 ; **46**, 141 :—

°	mm.
39·9	0
49·3	5
52·9	7·5
55·8	10
57·5	11·36
58·5	12·5
60·8	15·0
63·2	17·5
69·2	18·14
65·4	20·0
67·5	22·5
69·8	25·0
72·8	28·84
73·8	30·0
76·9	35·0
78·8	39·36
79·0	40·0
81·4	45·0
83·0	50·0
85·0	61·4
88·3	75·0
152·0	760·0

Isobutyric acid (cont.) :—

Richardson, **49**, 761 ; B.r. 19, 808 :—

°	mm.
23·8	0·996
32·6	2·195
34·55	2·798
37·55	3·584
38·8	3·787
44·05	5·873
48·55	7·366
51·8	12·158
64·8	18·436
67·2	20·9
70·6	24·73
76·4	34·78
84·8	50·0 †
89·8	66·37
92·3	72·71
96·3	89·09
98·8	97·79
99·2	100 †
103·8	129·75
104·8	127·90
107·3	147·09
107·8	150·0 †
110·3	160·0
111·8	177·24
114·5	200·0 †
115·8	205·29
119·3	236·03
120·8	250·0 †
123·0	279·04
124·3	283·66
125·9	300·0 †
126·8	308·57
130·4	350·0 †
130·55	358·76
131·20	358·84
134·5	400 †
133·80	406·59
136·05	411·19
138·0	450 †
141·0	500 †
139·8	522·03
143·8	550 †
146·1	600 †
148·7	650 †
150·8	700 †
153·0	750 †
153·3	761·27

† Interpolated.

Butyric acid,

$C_4H_8O_2$.

Landolt, As. 6, 129 :—

°	mm.
10	5·2
15	6·2
20	7·3
25	8·7
30	10·3

Butyric acid (cont.) :—

°	mm.
35	12·2
40	14·5
45	17·2
50	20·4
55	24·2
60	28·6
65	33·7
70	39·9
75	47·1
80	55·6
85	65·5
90	77·3
95	91·0
100	107·1
105	125·9
110	148·1
115	173·0
120	204·1
125	240·0
130	281·2
135	329·3
140	386·1
145	450·8
150	529·1
155	617·9
160	723·1
165	844·4
170	986·2
175	1151·4
180	1342·0

Schall, B. 17, 2569 :—

°	mm.
63·4	10
68·7	15
73·0	20
76·9	25
90·3	50
97·1	75
157·0	760

Schumann, B. 18, 2085 :—

°	mm.
15·8	6·5
84·0	36·0
155·5–160 u.c.	730

Kahlbaum, B. 16, 2480 ; 17, 1259, 1267, 1271 ; 18, 2107, 3147 ; 19, 2864 ; **46**, 141 :—

°	mm.
49·0	0
57·3	5
60·6	7·5
63·6	10·0
63·5	10·06
66·3	12·5
67·9	14·0
68·7	15·0

Butyric acid (cont.) :—

°	mm.
70·9	17·5
73·0	20·0
75·2	21·48
74·8	22·0
75·0	22·5
76·9	25·0
80·5	30·0
81·4	31·94
83·2	35·0
85·9	40·0
87·5	43·12
87·8	45·0
89·8	48·9
90·3	50·0
91·7	55·0
92·9	60
94·0	65
95·9	70
97·1	75
97·9	80
98·7	85
99·9	90
101·0	95
102·1	100
161·5	760

Ramsay and Young, B. 19, 2110 :—

°	mm.
20·3	0·35
50	5·2
60	9·5
70	16·3
80	27·5
90	44·5
100	73·1
110	110·2
120	164·3
130	241·5
140	345·7
150	488·5
160	676·3
163·8	760 1

Diethyloxide,

$C_4H_{10}O$.

Drion, A.C. [3], 56, 133:—

°	ats.
c.t. 190·5	?

Ladenburg, B. 11, 828; **34**, 633 :—

°
c.t. 196.

Strauss, W.B. 6, 282 :—

°	ats.
c.t. 195·5	?

De la Tour and Wolf, B., 11, 822:—

°
c.t. 200.

Diethyloxide (cont.) :—

Olzewski, C.N. 51, 174:— Solidifies —129°.

Regnault, M.A.S. 26, 339 :—

°	mm. *
—20	68·9
—15	89·31
—10	114·72
— 5	146·06
0	184·39
+ 5	230·89
10	286·83
15	353·62
20	432·78
25	525·93
30	634·80
35	761·20
40	807·04
45	1074·15
50	1264·83
55	1481·06
60	1725·01
65	1998·87
70	2304·90
75	2645·41
80	3022·79
85	3439·53
90	3898·26
95	4401·81
100	4953·30
105	5556·23
110	6214·63
115	6933·26
120	7719·20

Ibid., P.M. [4], 8, 271 :—

°	mm.
— 20	69·2
— 10	113·2
0	182·3
10	286·5
20	434·8
30	637·0
40	913·6
50	1268·0
60	1730·3
70	2309·5
80	2947·2
90	3899·0
100	4920·4
110	6249·0
116	7076·2

Ibid., P.A. 111, 407 ; iii., 94 :—

°	mm.
— 20	67·5
— 15	87·9
— 10	113·3
— 5	144·8

Diethyloxide (cont.):—

°	mm.
0	183·3
+ 5	230·1
10	286·4
15	353·6
20	433·3
30	637·0
40	909·6
50	1268·0
60	1728·5
70	2309·5
80	3024·4
90	3899·0
100	4950·8
110	6249·0
120	7702·2

Herwig, P.A. 137 and 141; vi., 683:—

°	mm.
18·2	405·16
25·0	530·16
35·0	769·73

Winkelmann, W. 9. 364; **38**, 692:—

°	ats.
− 13·86	$\frac{1}{8}$
0·50	$\frac{1}{4}$
+ 16·70	$\frac{1}{2}$
34·96	1
55·87	2
69·61	3
80·21	4
88·96	5
96·47	6
103·08	7
109·00	8
114·37	9
119·39	10

Ramsay, P.M. [5], 20, 524; 21, 37; P.R. 31, 194; **42**, 136:—

°	mm.
− 12·7	100
− 4·5	150
+ 1·8	200
11·0	300
18·0	400
23·7	500
28·5	600
32·7	700
36·3	800
39·9	900
43·0	1000
55·5	1500
65·0	2000
79·8	3000
100·4	5000

Isobutyl alcohol,

$Bu^{\beta}.OH$.

Kahlbaum, B. 16, 2480; 17, 1259; **46**, 141:—

°	mm.
7·6	0
17·9	5
25·2	9·46
26·4	10
33·5	15
38·0	20
42·0	25
45·2	30·2
50·0	42·48
52·2	50
56·0	75
106·4	760

Richardson, **49**, 763; B.r. 19, 808:—

°	mm.
25·3	11·21
32·8	18·44
35·4	21·42
37·9	26·16
42·0	33·12
46·7	44·07
46·8	42·92
49·0	50·0†
50·8	55·66
52·8	62·68
54·9	71·61
58·8	85·86
57·8	88·76
61·3	98·68
61·8	100·0†
62·3	103·04
66·0	116·29
65·8	123·92
66·0	124·62
68·8	134·11
69·8	150†
69·9	151·2
71·8	166·62
73·8	182·38
74·8	194·68
75·5	200†
75·9	204·09
77·2	213·77
78·7	226·82
78·7	229·45
80·55	244·61
80·5	250†
81·0	259·56
81·3	259·00
83·6	284·30
84·8	297·59
85·0	300†
85·3	304·47
87·3	332·32
87·8	347·47
88·8	350†

Isobutyl alcohol (continued):—

°	mm.
90·3	378·12
91·55	399·35
91·8	400†
92·8	418·12
92·95	428·94
94·4	450†
95·4	468·98
95·8	478·12
97·0	500†
98·05	524·86
96·80	527·36
99·4	550†
100·7	575·65
101·55	593·86
101·4	600†
102·75	626·26
102·8	630·89
103·3	650†
104·8	669·11
104·8	680·83
105·3	700†
105·8	708·36
107·0	750†
107·7	755·11

Pawlewski, B. 16, 2634; 46, 252:—

°	ats.
c.t. 234·9	?
83	o.p.

Propylmethyl ketone,

$C_3H_7.CO.CH_3$.

Kahlbaum, B. 17, 1260:—

°	mm.
2·1	0
7·6	5
11·9	10
14·8	15
17·9	20
20·9	25
32·1	50
38·4	75
88·9	760

Isobutylic formate,

$H.CO_2Bn^{\beta}$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
29·8	51
33·5	64
37·8	76
40·4	88
44·3	104
50·6	138
55·3	169

† Interpolated.

Isobutylic formate (continued):—

°	mm.
59·4	200
59·6	203
63·5	236
68·5	286
73·0	336
77·2	392
80·9	448
83·9	491
87·2	548
89·9	594
93·1	654
96·3	733
97·9	760
102·1	863
105·8	958
109	1067
112·3	1178
115·1	1279
115·8	1300
118·5	1396

Propylic acetate,

$CH_3.CO_2Pr^{\alpha}$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
21·0	31
28·8	47
37·1	65
39·8	74
43·7	87
47·6	104
52·0	126
59·9	175
63·1	200
64·7	215
67·8	240
71·4	277
75·4	322
79·3	372
83·8	436
87·3	493
90·8	552
95·7	649
99·7	733
100·8	760
104·6	851
108·3	956
112·3	1069
114·3	1138
117·3	1230
119·2	1300
119·8	1317
121·9	1391

Kahlbaum, B. 17, 1259:—

°	mm.
− 13·2	0
− 2·4	5
+ 5·6	10

Propylic acetate (continued):—

°	mm.
11·8	15
16·2	20
21·2	25
33·8	50
39·1	75
100·8	760

Ethylic propionate,

$CH_3.CH_2.CO_2Et$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
26·0	39
31·5	52
35·4	66
38·8	77
41·9	89
43·5	97
47·7	117
51·2	138
54·7	158
58·3	183
60·7	200
61·8	207
65·9	243
70·0	283
73·2	323
76·2	361
79·0	402
83·0	461
86·7	522
90·6	597
94·2	668
97·2	734
98·3	760
100·5	812
105·7	954
109·6	1066
113·1	1178
115·3	1250
116·9	1300
117·9	1331

Methylic butyrate,

$CH_3.(CH_2)_2.CO_2Me$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
43·0	81·6
47·3	105
52·1	127
55·4	141
63·0	192
63·9	200
66·9	225
70·3	258
73·0	281
77·0	327
78·4	347
81·0	376

Methylic butyrate (continued):—

°	mm.
82·3	398
84·2	423
87·3	467
89·6	509
91·7	543
94·2	590
98·3	673
100·8	732
101·6	743
102·3	760
104·4	807
108·5	913
109·6	944
113·1	1044
116·1	1140
119·7	1256
120·9	1300
122·3	1350
123·4	1390

Methylic isobutyrate,

$CHMe_2.CO_2Me$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
23	48
26	56
32·3	75
37·5	94
41·6	113
44·6	130
47·5	150
51·1	172
55·0	200
57·3	221
61·9	264
65·6	306
69·3	348
72·3	387
76·1	445
80·6	520
84·4	592
87·6	658
91·0	734
92·3	760
99·7	946
102·5	1035
105·9	1137
108·7	1242
110·6	1300
111·1	1316
112·7	1370

Isovaleric acid,

$CHMe_2.CH_2.CO_2H$.

Landolt, As. 6, 129:—

°	mm.
10	4·6
15	5·4

Isovaleric acid (cont.):—

°	mm.
20	6·3
25	7·4
30	8·7
35	10·2
40	12·0
45	14·0
50	16·4
55	19·3
60	22·6
65	26·4
70	30·9
75	36·2
80	42·3
85	49·4
90	57·8
95	67·4
100	78·8
105	92·0
110	107·3
115	125·6
120	145·9
125	170·6
130	198·1
135	231·5
140	268·5
145	313·5
150	363·4
155	421·9
160	491·2
165	571·4
170	662·9
175	769·6
180	893·3
185	1043·7
190	1203·0

Schall, B. 17, 2569:—

°	mm.
70·9	10
78·5	15
83·6	20
88·4	25
100·7	50
105·3	75
176·3	760

Kahlbaum, B. 16, 2480; 17, 1259, 1267, 1271; 18, 2107, 3147; 19, 2865; **46**, 141:—

°	mm.
53·6	0·0
63·1	5·0
67·8	7·5
71·8	10·0
72·4	10·58
72·6	10·68
75·3	12·5
78·4	14·9
78·5	15·0
99·6	16·0
81·2	17·5

Isovaleric acid (cont.):—

°	mm.
83·7	20·0
85·8	22·0
86·1	22·5
88·4	25·0
90·0	27·28
91·6	30·0
94·9	35·0
97·0	40·0
99·8	45·0
99·2	45·92
100·7	50·0
102·2	55·0
103·2	60·0
104·3	65·0
105·2	70·0
105·8	71·94
106·1	75·0
106·9	80·0
107·5	85·0
107·9	90·0
108·5	95·0
109·1	100·0
173·7	760

Richardson, **49**, 761; B.r. 19, 808:—

°	mm.
51·3	2·59
59·4	3·63
60·8	4·68
69·9	8·21
88·2	22·89
92·9	28·47
102·4	46·98
107·8	56·22
111·8	74·35
120·55	104·96
124·4	125·71
128·8	155·87
130·9	186·93
136·4	212·01
140	264·05
145·8	299·31
151·8	270·67
155·8	436·72
157·6	479·06
161·3	557·0
173·3	645·19

51·79	2·74
56·25	3·33
58·74	3·93
62·72	4·98
65·45	5·72
73·51	9·95
84·12	18·91
89·35	24·29
92·51	28·37
93·32	29·87
93·82	31·09
96·81	35·98
101·38	42·45

Isovaleric acid (cont.):—

°	mm.
106·27	55·89
112·09	63·81
112·62	72·27
114·65	81·48
116·70	88·80
124·05	122·30
133·0	175·16
138·25	218·11
143·05	256·19
148·67	312·09
150·3	368·39
153·1	369·53
158·27	434·04
162·4	492·77
165·62	551·88
171·25	673·25
176·0	745·59

55·4	3·39
73·51	10·71
88·85	23·99
96·1	34·88
106·22	58·15
111·36	62·59
115·42	80·73
123·85	122·59
130·0	154·78
133·01	174·01
135·02	185·55
138·04	218·26
142·25	253·44
146·36	292·31
151·29	349·72
155·01	399·95
155·11	398·61
157·20	434·53
158·26	440·91
163·45	526·52
171·15	673·23
174·93	744·99

The following were interpolated from the three preceding series:—

°	mm.*
104·0	50
119·3	100
129·5	150
136·5	200
142·0	250
147·4	300
151·5	350
155·5	400
159·0	450
162·2	500
165·0	550
167·8	600
170·4	650
173·0	700
175·8	750

Isoamyl alcohol, $CHMe_2.CH_2.CH_2.OH$.

Schall, B. 17, 2568:—

°	mm.
41·2	10
47·4	15
51·8	20
55·5	25
66·0	50
71·5	75
130·5	760

Kahlbaum, B. 17, 1259; 18, 2107:—

°	mm.
23·3	0
33·4	5
37·7	7·5
41·4	10
44·6	12·5
47·4	15
49·7	17·5
51·8	20
53·7	22·5
55·5	25
66·0	50
71·5	75
129·7	760

Richardson, **49**, 761; B.r. 19, 808:—

°	mm.*
34·7	7·27
41·9	9·97
46·5	14·0
47·8	15·67
53·8	21·87
58·3	29·34
65·55	42·85
66·68	46·58
67·8	48·16
68·3	50·0
70·3	56·56
72·8	63·93
73·0	65·46
74·25	69·61
76·8	79·06
77·65	82·87
78·05	85·66
81·50	100·0
81·55	100·04
82·05	102·55
84·4	116·6
84·9	107·18
85·8	113·61
88·95	143·0
89·55	145·5
90·20	150·0
90·55	150·98
90·6	155·56
91·9	164·93
92·3	167·92
93·7	175·87

Isoamyl alcohol (cont.):—

°	mm.
95·65	191·75
96·8	200·0
99·2	220·6
101·5	250·0
101·8	253·59
103·7	273·52
103·8	276·15
104·0	279·04
105·9	300·0
106·8	304·74
107·0	314·72
107·7	319·71
108·8	334·42
109·3	345·96
109·5	350·0
110·9	370·44
111·5	387·0
111·8	388·67
112·8	400·0
114·3	417·7
115·9	450·0
115·8	452·2
118·5	500·0
118·8	524·21
121·1	524·36
120·8	536·81
121·0	550·0
123·6	591·75
123·5	598·4
123·2	600·0
124·8	628·92
125·4	650·0
128·55	681·46
127·7	700·0
129·6	750·0

Pawlewski, B. 16, 2634:—

°	ats.
c.t. 306·6	?

Olzewski, C.N. 51, 174:—
Remains liquid —102°.

Phenol, C_6H_6O.

Carnelley, unpublished:

°	mm.
130	166
135	194
140	228
145	259
150	307
155	356
160	407
165	467
170	547
175	630
180	731
188	949
190	1009
195	1149
200	1249
205	1399

Phenol (continued):—

°	mm.
210	1534
213	1659
220	1953
230	2447

Mesityl oxide, $C_6H_{10}O$.

Kahlbaum, B. 17, 1260; 18, 2107:—

°	mm.
7·3	0
18·5	5
22·8	7·5
26·5	10
29·9	12·5
32·8	15
35·5	17·5
37·9	20
40·2	22·5
42·5	25
55·0	50
61·5	75
130	760

Ethylic acetoacetate, $CH_2Ac.CO_2Et$.

Kahlbaum, B. 17, 1260:—

°	mm.
39·9	0
54·3	5
65·9	10
75·0	15
80·5	20
84·2	25
95·1	50
99·5	75
181·0	760

Propionic anhydride, $(CH_3.CH_2.CO)_2O$.

Kahlbaum, B. 16, 2480; 17, 1259; 18, 2107; **46**, 141:—

°	mm.
42·0	0
52·0	5
55·6	7·5
59·1	10
62·3	12·5
65·1	15
67·8	17·5
67·5	17·94
70·4	20
72·0	21·44
72·8	22·5
75·1	25
77·2	28·06
80·0	33·42
82·7	38·06

Propionic anhydride (continued) :—

°	mm.
85·0	44·02
86·7	50
93·2	75
167·0	760

Diethylic oxalate,
$(CO_2Et)_2$.
Schall, B. 17, 2570 :—

°	mm.
83·9	10
91·6	15
96·5	20
100·8	25
113·2	50
118·6	75
185·3	760

Kahlbaum, B. 17, 1260 ; 18, 2107 :—

°	mm.
59·1	0
73·6	5
79·6	7·5
83·9	10
87·8	12·5
91·0	15
93·7	17·5
96·5	20
98·6	22·5
100·8	25
113·2	50
118·6	75
185·3	760

Amylic formate.
Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
21·0	12
31·3	22
41·8	39
49·0	50
54·9	63
66·0	102
71·8	127
74·0	140
77·6	160
80·1	178
83·2	200
85·9	221
87·9	238
89·8	256
93·0	286
95·8	318
96·2	321
98·7	350
100·0	368
102·3	397
104·5	426
105·8	445

Amylic formate (cont.):—

°	mm.
108·2	482
109·7	506
110·9	523
113·8	569
114·9	589
117·0	627
118·8	664
119·8	685
120·2	697
121·8	726
122·8	748
123·3	760
123·5	764
124·9	794
125·9	818
127·2	851
128·7	885
130·1	923
131·7	960
132·8	986
134·1	1025
135·5	1067
136·9	1105
140·5	1209
143·7	1300

Isobutylic acetate,
$CH_3.CO_2.CH_2.CHMe_2$.
Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
21·8	17
36·8	33
50·6	67
54·2	78
56·7	87
60·2	102
62·9	114
64·8	125
69·3	150
75·9	196
76·6	200
79·2	221
85·3	275
92·1	349
96·6	406
98·3	433
101·2	477
103·3	513
106·6	570
110·2	630
115·1	737
116·3	760
117·1	780
119·9	842
122·1	905
125	975
127·2	1036
129·4	1108
131·5	1167
134·6	1275

Isobutylic acetate (continued) :—

°	mm.
135·5	1300
135·9	1313
137·4	1364

Kahlbaum, B. 17, 1259 ; 18, 2107 :—

°	mm.
5·4	0
12·7	5
16·1	7·5
18·8	10
21·2	12·5
23·3	15
25·2	17·5
27·0	20
28·7	22·5
30·4	25
42·5	50
49·7	75
112·0	760

Propylic propionate,
$CH_3.CH_2.CO_2Pr^{\alpha}$.
Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
52·9	57
58·1	74
61·3	85
64·7	98
67·7	114
70·7	129
74·2	149
78·5	174
82·0	200
82·2	202
86·0	231
89·0	262
92·1	294
95·5	327
99·3	372
102·3	411
105·7	460
110·1	529
113·5	588
118·2	676
120·9	730
122·2	760
123·5	792
126·4	858
129·3	935
133·4	1049
136·2	1131
140·1	1247
141·7	1300
143·3	1357
144·9	1401

Ethylic butyrate,
$CH_3.(CH_2)_2.CO_2Et$.
Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
42·0	39
45·3	46
46·4	50
49·8	59
53·3	69
58·0	82
62·4	99
67·6	125
73·7	161
75·4	173
78·2	193
79·2	200
81·2	216
83·8	234
87·2	267
89·8	290
92·1	316
95·1	346
101·3	430
105·2	485
108·8	540
112·4	612
115·5	676
118·2	729
119·9	760
121·7	806
125·4	894
127·9	961
132·8	1098
136·2	1202
139·1	1300
140·9	1361
142·3	1406

Ethylic isobutyrate,
$CHMe_2.CH_2.CO_2Et$.
Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
30·1	34
43·8	61
48·2	76
58·9	121
63·6	148
67·2	172
71·1	200
72·1	209
76·3	243
80·3	284
83·5	322
87·2	366
90·8	412
95·2	474
99·1	542
103·7	628
108·7	732
110·1	760
112·9	823

Ethylic isobutyrate (continued) :—

°	mm.
116·9	923
120·3	1015
123·1	1098
126·0	1180
128·8	1277
129·3	1300
131·6	1374

Methylic valerate,
$C_4H_9.CO_2Me$.
Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
45·4	50
48·5	58
51·9	67
54·6	79
58·1	91
60·7	103
63·0	116
67·8	137
75·3	187
77·2	200
78·0	207
81·2	230
83·6	251
86·0	275
89·3	309
92·7	352
94·9	382
100·0	453
102·6	496
108·9	594
111·2	650
115·4	731
116·4	757
116·7	760
121·3	860
128·7	1063
131·5	1146
133·9	1227
135·7	1286
136·0	1300
138·0	1366

Benzaldehyde,
C_7H_6O.
Kahlbaum, B. 17, 1260 ; 18, 2107 ; cf. Schall, B. 17, 2570 :—

°	mm.
46·6	0
57·3	5
61·2	7·5
64·3	10
66·9	12·5
69·3	15
71·6	17·5
73·7	20
75·7	22·5

Benzaldehyde (cont.) :—

°	mm.
77·1	25
88·3	50
94·8	75
180	760

Benzoic acid,
$C_7H_6O_2$.
Carnelley, not yet published :—

°	mm.
140	17
150	24
160	36
170	57
180	88
190	129
200	176
210	249
220	346
230	474
240	609
250	773
260	930
270	1107
280	1347
290	1580
300	1827

Œnanthol,
$C_6H_{13}.COH$.
Kahlbaum, B. 17, 1260 ; 18, 2107 :—

°	mm.
31·7	0
39·6	5
42·7	7·5
45·5	10
48·1	12·5
50·5	15
52·5	17·5
54·4	20
56·2	22·5
57·8	25
69·7	50
76·9	75
155·0	760

Isobutylic propionate,
$CH_3.CH_2.CO_2Bu^{\beta}$.
Schumann, W. 12, 47 ; B. 14, 1273 :—

°	mm.
65·8	52
68·2	60
71·8	70
76·8	96
80·0	109
90·7	170
94·4	198
95·0	200

Isobutylic propionate (continued):—

°	mm.
98·7	229
103·6	271
108·2	317
113·9	383
118·0	441
128·0	589
131·5	656
135·3	732
136·8	760
139·0	810
142·9	900
149·0	1059
152·5	1159
155·7	1255
156·9	1300
158·2	1341
160·0	1401

Propylic butyrate,

$CH_3.(CH_2)_2.CO_2Pr^a$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
57·0	34
66·0	51
71·0	61
76·1	75
79·9	89
85·4	115
91·5	144
97·9	180
101·2	200
101·9	205
106·9	243
112·4	299
115·2	330
117·8	363
122·2	414
125·7	464
129·1	514
129·6	524
130·4	535
133·1	577
136·6	643
141·0	729
142·7	760
145·7	827
149·3	909
152·8	996
156·1	1086
159·6	1185
160·2	1208
163·7	1300

Propylic isobutyrate,

$CHMe_2.CO_2Pr^a$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
49·5	32
56·1	43
61·0	54
66·0	70
70·2	83
77·6	114
81·9	134
86·8	164
90·3	188
92·0	200
96·5	233
106·0	326
110·0	369
114·6	427
118·8	485
123·4	560
127·5	633
132·4	731
133·9	760
136·8	832
144·6	1020
148·9	1142
151·3	1243
153·2	1300
154·3	1335

Ethylic valerate,

$C_4H_9.CO_2Et$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
55·1	31
60·2	45
64·2	60
68·1	73
72·0	89
76·2	107
81·4	130
87·2	162
92·3	200
93·2	206
98·6	250
104·1	300
108·8	355
112·6	399
116·9	455
120·5	508
124·4	574
128·6	646
132·7	729
134·3	760
139·4	875
143·2	975
146·3	1056
150·4	1166
152·8	1246
154·6	1300
155·1	1321
157·5	1407

Methylic salicylate, $C_6H_4.OH.CO_2Me=1.2$. Ramsay & Young, **47**, 650, 655; P.M. [5], 20, 524; 21, 40:—

°	mm.
70	2·4
75	3·4
80	4·6
85	6·05
90	7·8
95	9·95
100	12·6
105	15·85
110	19·8
115	24·55
120	30·25
125	37·1
130	45·3
132·5	50
135	55·05
140	66·55
145	80·0
150	95·6
151·3	100
155	113·6
160	134·25
163·4	150
165	157·85
170	184·7
172·5	200
175	215·1
176	221·65
177	228·3
178	235·15
179	242·15
180	249·35
181	256·7
182	264·2
183	271·9
184	279·75
185	287·8
186	296·0
186·5	300·0
187	304·45
188	313·05
189	321·85
190	330·85
191	340·05
192	349·45
193	359·05
194	368·85
195	378·9
196	389·15
197	399·6
197·05	400·0
198	410·3
199	421·2
200	432·35
201	443·75
202	455·35
203	467·25
204	479·35
205	491·7
205·7	500·0
206	504·35
207	517·25
208	530·4
209	543·8
210	557·5
211	571·45
212	585·7
213	600·0
214	615·05
215	630·15
216	645·55
217	661·25
218	677·25
219	693·6
219·4	700·0
220	710·1
221	727·05
222	744·35
223	761·9
224	779·85
225	798·1
225·1	800·0

Phenetoïl,

$C_6H_5.OEt$.

Kahlbaum, B. 17, 1260; 18, 2107:—

°	mm.
48·3	0
55·2	5
58·4	7·5
61·2	10
63·6	12·5
65·9	15
67·9	17·5
70·0	20
71·8	22·5
73·6	25
87·7	50
96·2	75
172	760

Amylic propionate,

$CH_3.CH_2.CO_2(C_5H_{11})$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
21·8	4
36·8	6
50·4	12
69·5	29
79·2	47
85·2	60
89·3	72
93·3	85
93·7	89
96·5	96
99·1	106
103·8	128
109·6	158
113·9	184
116·9	200
119·2	219
124·8	262
128·8	301
133·0	344
137·5	399
142·4	456
146·3	512
150·5	582
154·5	648
158·9	732
160·2	760
163·2	819
173·2	1062
178·4	1208
181·2	1300
181·6	1310

Isobutylic butyrate,

$CH_3.(CH_2)_2.CO_2Bu^\beta$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
74·3	46
83·6	65
92·6	90
98·2	116
105·4	150
113·0	200
117·3	233
123·8	284
130·5	356
137·6	435
141·3	492
145·9	556
149·8	626
155·5	730
156·9	760
160·7	842
164·7	931
169·7	1058
173·5	1172
175·4	1222
177·4	1292
178·0	1300

Isobutylic isobutyrate,

$CHMe_2.CO_2Bu^\beta$.

Schumann, W. 12, 47; B. 14, 1273:—

°	* mm.
65·3	43
69·1	50
74·7	60
77·3	70
81·2	82
85·8	100
90·6	122
94·0	140
97·8	161
100·4	178
103·8	200
105·8	214
109·4	243
117·3	315
120·3	347
124·8	398
128·0	441
136·4	572
141·6	662
144·7	730
146·6	760
150·7	843
154·3	928
159·8	1067
165·0	1217
167·8	1300
168·1	1310

Kahlbaum, B. 17, 1260:

°	mm.
24·4	0
34·4	5
42·2	10
47·7	15
52·4	20
56·4	25
70·5	50
77·0	75
147·5	760

Propylic valerate,

$C_4H_9.CO_2Pr^a$.

Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
77·2	43
83·0	62
87·0	73
89·5	81
92·7	95
103·8	143
108·5	175
112·6	200
114·5	215
120·2	259
124·4	299
129·1	346
133·4	397
137·4	449
141·4	504
144·6	555
148·0	612
150·7	658
154·5	728
155·9	760

Propylic valerate (continued):—

°	mm.
164·2	949
168·2	1052
172·1	1155
172·8	1165
177·2	1300
179·1	1349

Octyl alcohol, $C_8H_{18}O$.
Kahlbaum, B. 17, 1259:—

°	mm.
66·6	0
71·2	5
75·4	10
79·0	15
82·3	20
84·6	25
94·4	50
102·9	75
178·5	760

Ethylic salicylate, $C_6H_4.OH.CO_2Et = 1.2.$
Kahlbaum, B. 17, 1260; 18, 2107:—

°	mm.
80·0	0
94·0	5
99·4	7·5
104·8	10
109·3	12·5
113·0	15
116·2	17·5
119·0	20
121·7	22·5
124·1	25
139·1	50
145·7	75
231·5	760

Amylic butyrate, $CH_3.(CH_2)_2.CO_2(C_5H_{11})$.
Schumann, W. 12, 47; B. 14, 1273:—

°	mm.
92·6	47
97·5	57
102·0	65
107·2	78
111·9	95
117·0	117
123·2	142
132·6	200
133·2	202
138·7	241
143·4	277
147·8	317
151·4	357

Amylic butyrate (continued):—

°	mm.
154·5	390
159·2	447
163·0	499
167·2	562
170·4	617
177·0	732
178·6	760
181·7	820
186·5	924
190·9	1033
198·1	1216
201·0	1300
204·3	1394

Amylic isobutyrate, $CHMe_2.CO_2(C_5H_{11})$.
Schumann, *ibid.*:—

°	mm.
82·9	43
90·0	54
94·0	66
100·0	81
107·0	106
112·8	128
117·1	154
122·4	187
124·3	200
126·8	213
131·5	252
134·9	280
143·7	370
147·6	416
153·9	492
157·6	551
167·5	730
168·8	760
172·8	838
178·1	953
183·2	1085
191·4	1300
192·1	1312

Isobutylic valerate, $C_4H_9.CO_2Bu^{\beta}$.
Schumann, *ibid.*:—

°	mm.
80·5	41
89·4	55
94·6	67
96·9	74
100·1	84
104·6	99
109·4	119
114·7	144
117·9	159
120·6	176
123·9	199
124·2	200
128·9	231
133·4	269

Isobutylic valerate (continued):—

°	mm.
137·0	303
140·7	342
144·8	386
148·8	435
152·9	491
156·7	543
160·1	599
164·0	668
167·5	734
168·7	760
173·6	858
175·4	905
178·8	982
181·6	1053
183·2	1093
186·8	1185
190·9	1292
191·1	1300

Cuminol, $C_{10}H_{12}O$.
Kahlbaum, B. 17, 1260; 18, 2107; cf. Schall, B. 17, 2570:—

°	mm.
74·5	0
92·1	5
98·5	7·5
103·5	10
108·3	12·5
112·3	15
115·3	17·5
117·9	20
120·3	22·5
122·5	25
137·8	50
145·9	75
232·0	760

Camphor, $C_{10}H_{16}O$.
Ramsay and Young, P.T. [1884], 45, 463:—

°	mm.
20	1·0
35	1·8
41·2	1·7
48·9	7·2
62·4	6·4
78·4	9·5
92·4	15·4
100	22·6
101	27·2
109·4	35·0
116·7	46·0
127·4	66·3
132	78·1
134·2	88·6
136·3	92·8
140·3	105·0
141·7	109·4
147·0	155·1

Camphor (cont.):—

°	mm.
154·0	188·8
154·3	197·6
157·9	218·5
160·1	240·7
168·0	297·8
m.p. 175·0	354·0
184·5	431·0

Ibid., page 463:—

°	mm.
136	94·9
149·8	152·1
168·0	274·1
174·6	327·6
176·7	350·6
178·3	363·6
178·9	370·3
179·5	378·7
180·3	385·9
181·2	393·3
181·3	394
181·9	398·6
182	400·8
182·6	405·3
182·8	407·4
183·4	412·8
184·5	421·1
198·7	593·2
207·3	746·3

Isoamylic isovalerate, $CHMe_2.CH_2.CO_2.(CH_2)_2.CHMe_2$.
Kahlbaum, B. 17, 1260; 18, 2107; cf. Schall, B. 17, 2569:—

°	mm.
43·5	0
58·9	5
65·3	7·5
71·0	10
75·9	12·5
80·2	15
83·7	17·5
86·6	20
88·9	22·5
91·0	25
102·8	50
110·9	75
194·0	760

Isobutylic benzoate, $C_6H_5.CO_2Bu^{\beta}$.
Kahlbaum, B. 17, 1260; 18, 2107:—

°	mm.
83·6	0
97·9	5
104·7	7·5
109·5	10

Isobutylic benzoate (continued):—

°	mm.
113·7	12·5
117·7	15
121·2	17·5
124·4	20
127·1	22·5
129·7	25
146·0	50
153·6	75
237·0	760

Isoamylic benzoate, $C_6H_5.CO_2.(CH_2)_2.CHMe_2$.
Kahlbaum, B. 17, 1260; 18, 2107; cf. Schall, B. 17, 2570:—

°	mm.
105·4	0
115·5	5
120·6	7·5
124·8	10
128·6	12·5
132·0	15
135·3	17·5
138·4	20
141·5	22·5
144·8	25
165·8	50
174·7	75
262·0	760

Diethylacetal, $C_{16}H_{14}O_2$.
Kahlbaum, B. 17, 1260:—

°	mm.
3·5	0
8·5	5
12·6	10
16·5	15
20·2	20
23·0	25
32·8	50
40·5	75
102·2	760

Methylamine, $CH_3.NH_2$.
Vincent and Chappuis, C.R. 101, 427; **48**, 1105:—

°	ats.
− 2	1
+155	72

Dimethylamine, $NH(CH_3)_2$.
Vincent and Chappuis, *ibid.*:—

°	ats.
8	1
163	56

Ethylamine, $C_2H_5.NH_2$.
Ibid., C.R. 103, 379; B.r. 19, 733:—

°	ats.
18·5	1
177	66

Trimethylamine, $N(CH_3)_3$.
Ibid., C.R. 101, 427; **48**, 1105:—

°	ats.
9·3	1
160·5	41

Propylamine, $CH_3.CH_2.CH_2.NH_2$.
Ibid., C.R. 103, 379; B.r. 19, 733:—

°	ats.
49	1
218	50

Diethylamine, $NH(C_2H_5)_2$.
Ibid.:—

°	ats.
57	1
216	40

Pyridine, C_5H_5N.
Kahlbaum, B. 17, 1261; 18, 2107:—

°	mm.
− 5·2	0
+ 7·3	5
11·7	7·5
15·4	10
18·6	12·5
21·5	15
24·0	17·5
26·3	20
27·5	22·5
30·3	25
42·2	50
48·0	75
114·5	760

Piperidine, $C_5H_{11}N$.
Kahlbaum, B. 17, 1261:—

°	mm.
−6·1	0
+3·5	5
9·2	10
13·6	15
17·2	20
20·0	25
30·4	50
38·3	75
106·0	760

Aniline, C_6H_7N.
Kahlbaum, B. 17, 1261; 18, 2107, 3149:—

°	mm.
55·4	0
65·5	5
69·3	7·5
72·7	10
75·6	12·5
78·3	15
80·7	17·5
83·0	20
85·1	22·5
87·2	25
100·9	50
108·2	75
182·0	760

Ramsay and Young, **47**, 649, 655; P.M. [5], 20, 524; 21, 39:—

°	mm.
80	18·8
85	24·0
90	30·1
95	37·3
100	45·9
102	50·0
105	56·2
110	68·5
115	83·1
119·9	100·0
120	100·4
125	120·8
130	144·7
131	150·0

Aniline (cont.):—

°	mm.
135	172·5
139·4	200·0
140	204·6
145	241·5
150	283·7
151	292·8
151·75	300
152	302·15
153	311·75
154	321·6
155	331·7
156	342·05
157	352·65
158	363·5
159	374·6
160	386·0
161	397·65
161·2	400
162	409·6
163	421·8
164	434·3
165	447·1
166	460·2
167	473·6
168	487·25
168·9	500
169	501·25
170	515·6
171	530·2
172	545·2
173	560·45
174	576·1
175	592·05
175·5	600
176	608·35
177	625·05
178	642·05
179	659·45
180	677·15
181	695·3
181·25	700
182	713·75
183	732·65
184	751·9
185	771·5
186·4	800
190	875·7

Picoline, C_6H_7N.
Kahlbaum, B. 17, 1261; 18, 2107:—

°	mm.
1·9	0
15·2	5
20·2	7·5
24·4	10
28·2	12·5
31·5	15
34·6	17·5
37·4	20
39·4	22·5
42·0	25
57·3	50
66·6	75
126·2	760

Triethylamine, $N(C_2H_5)_3$.
Vincent and Chappuis, C.R. 103, 379; B.r. 19, 733:—

°	ats.
89	1
259	30

Dipropylamine, $NH(C_3H_7)_2$.
Vincent and Chappuis, *ibid.*:—

°	ats.
97	1
277	31

Xylidine, $C_8H_{11}N$.
Kahlbaum, B. 17, 1261; 18, 2107:—

°	mm.
67·1	0
81·5	5
88·0	7·5
93·1	10
97·6	12·5
101·6	15
104·8	17·5
107·6	20
109·6	22·5
111·3	25

Xylidine (cont.):—

°	mm.
125·8	50
130·8	75
211·5	760

Quinoline, C_9H_7N.
Ibid.:—

°	mm.
86	0
97·2	5
106·4	10
112·6	15
118·0	20
121·9	25
136·5	50
144·8	75
238·0	760

Ethylidene chlorobromide, $CH_3.CHClBr$.
Staedel, B, 15, 2563:—

°	mm.
63·63	400
69·93	500
75·34	600
80·03	700
82·69	760
84·35	800
88·19	900
91·68	1000
94·26	1080

Ethylene chlorobromide, $CH_2Cl.CH_2Br$.
Staedel, B. 15, 2563:—
From C_2H_5Br.

°	mm.
85·53	400
92·50	500
98·22	600
103·12	700
106·07	760
107·78	800
111·93	900
115·74	1000

Ethylene chlorobromide (continued):—
From $C_2H_4Br_2$.

°	mm.
87·02	400
93·74	500
99·36	600
105·30	700
108·54	760
110·07	800
113·94	900
117·96	1000

Dichlorhydrin, $C_3H_6Cl_2O$.
Kahlbaum, B. 18, 2107:—

°	mm.
67·0	7·5
70·2	10
72·8	12·5
75·1	15
77·4	17·5
79·5	20
81·5	22·5
182·0	760

Bromal, C_2HBr_3O.
Kahlbaum, *ibid.*:—

°	mm.
58·6	7·5
62·4	10
65·7	12·5
68·7	15
71·2	17·5
73·5	20
75·2	22·5
174	760

Nitrobenzene, $C_6H_5O_2N$.
Kahlbaum, *ibid.*:—

°	mm.
83·5	7·5
87·0	10
90·0	12·5
92·9	15
95·5	17·5

Nitrobenzene (cont.):—

°	mm.
98·1	20
100·3	22·5
205·0	760

Allylthiocarbamide, $C_3H_5.NCS$.
Kahlbaum, *ibid.*:—

°	mm.
37·2	7·5
41·5	10
45·1	12·5
48·4	15
51·3	17·5
53·8	20
55·8	22·5
148·2	760

Phenylthiocarbamide, $C_6H_5.NCS$.
Kahlbaum, *ibid.*:—

°	mm.
86·3	7·5
91·1	10
95·4	12·5
99·2	15
102·8	17·5
106·2	20
109·0	22·5
218·5	760

On distillation of benzene, toluene, xylene, turpentine, carbon tetrachloride, nitrobenzene, ethylbromide, ethylic benzoate, and naphthalene in a current of steam, see Naumann, B. 10, 1421, 1819, 2014, 2099; 11, 33, 204, 429, 689.

II.—VAPOUR TENSIONS AND BOILING POINTS OF MIXED SUBSTANCES, *e.g.*, MIXED LIQUIDS AND SALINE SOLUTIONS.

° C. = temperature or boiling point. mm. = tension in millimetres of Mercury. Ats. = ditto in atmospheres. W = parts of *anhydrous* salt in 100 parts of water. Sat. = saturated.

A.—VAPOUR TENSIONS OF AQUEOUS SOLUTIONS.

Potassium fluoride, KF.

Tammann, W. 24, 535.

Tension of pure H_2O.	Tension of Solution. 8·5 W.	19·41 W.	54·73 W.	73·42 W.
mm.	mm.	mm.	mm.	mm.
22·0	20·6	19·1	....	7·7
34·5	32·3	30·1	19·0	13·3
41·7	39·3	36·2	23·2	16·5
53·7	50·9	46·9	31·1	22·6
65·3	62·1	56·8	38·4	27·9
78·6	74·9	69·0	46·7	34·6
90·1	85·9	79·1	53·1	40·1
104·4	99·7	92·5	61·7	46·3
114·9	109·8	101·5	69·0	52·0
133·1	126·5	117·8	80·2	60·5
151·2	144·6	133·6	91·1	69·5
168·8	161·2	149·3	102·5	78·5
178·8	170·1	157·9	108·2	82·7
198·8	189·1	174·6	120·5	93·1
220·4	210·5	195·0	134·4	103·8
243·8	232·2	215·4	149·2	115·9
268·5	256·2	237·5	164·8	127·4
302·2	287·7	267·8	187·0	145·4
330·2	314·1	292·0	204·2	158·8
379·1	362·2	336·6	237·9	185·4
386·3	368·3	342·0	239·8	188·7
436·4	416·7	386·9	273·5	215·1
501·1	478·4	443·4	314·8	249·5
565·4	539·1	506·0	359·9	....
628·4	....	559·4	398·8	....
763·5	725·1	674·4		

Aluminium chloride, Al_2Cl_6.

Gerlach, Sp. gw. Salzlösungen, 103:—

°	ats.	W.
103·4	1	23·7
112·8	„	62·1

Barium chloride, $BaCl_2$.

Legrand, A.C. [2], 59, 432; iii., 89:—

°	ats.	W.
100·5	1	11·0
101·0	„	19·6
101·5	„	26·2
102·0	„	32·5
102·5	„	38·6
103·0	„	44·5
103·5	„	50·3
104·0	„	56·0
104·4	„	60·1 sat.

Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
104·4	1	81·81 sat.

Gerlach, Sp. gw. Salzlösungen, 102:—

°	ats.	W.
100·6	1	11·1
101·9	„	25·0

Tammann, W. 24, 549:—

Tension of pure H_2O.	Tension of Solution. 13·27 W.	39·10 W.	39·93 W.	50·97 W.
mm.	mm.	mm.	mm.	mm.
95·0	93·0	87·0	87·4	86·1
121·5	119·6	112·3	112·1	110·4
143·2	140·6	132·3	132·5	130·8
158·3	155·4	145·9	146·0	144·0
183·7	179·5	169·0	168·8	166·2
221·2	216·5	203·2	203·7	200·3
240·5	234·2	221·4	222·6	216·1
272·6	266·8	251·2	250·9	245·6
305·0	297·9	281·5	280·6	275·1
353·4	345·4	326·1	325·2	319·0
398·3	388·3	367·4	366·9	359·1
431·7	421·2	398·4	397·7	389·7
487·6	477·7	450·9	449·3	441·1
527·4	516·0	487·5	486·1	476·2
577·0	564·5	532·5	532·2	520·3
642·3	627·7	594·4	592·3	580·1
705·0	687·0	652·4	649·5	635·7
775·0	755·3	715·3	713·8	699·5

Calcium chloride, $CaCl_2$.

Gerlach, Sp. gw. Salzlösungen, 101:—

°	ats.	W.
101·4	1	11·1
104·2	„	25·0
109·7	„	42·9
118·0	„	66·6

Legrand, A.C. [2], 59, 437:—

°	ats.	W.
101	1	10·0
102	„	16·5
103	„	21·6
104	1	25·8
105	„	29·4
106	„	32·6
107	„	35·6
108	„	38·5
109	„	41·3
110	„	44·0
111	„	46·8
112	„	49·7
113	„	52·6
114	„	55·6
115	„	58·6
116	„	61·6
117	„	64·6
118	„	67·6
119	„	70·6
120	„	73·6
121	„	76·7
122	„	79·8
123	„	82·9
124	„	86·0
125	„	89·1
126	„	92·2
128	„	98·4
130	„	104·6
132	„	110·9
134	„	117·2
136	„	123·5
138	„	129·9
140	„	136·3
142	„	142·8
144	„	149·4
146	„	156·2
148	„	163·2
150	„	170·5
152	„	178·1
154	„	186·0
156	„	194·3
158	„	203·0
160	„	212·1
162	„	221·6
164	„	231·5
166	„	241·9
168	„	252·8
170	„	264·2
172	„	276·1
174	„	288·5
176	„	301·4
178	„	314·8
179·5	„	325·0 sat.

Calcium chloride (continued):—
Lescœur, B. 14, 1392; C.R. 92, 1158:—

°	mm.	W.
100	14 (?)	1340·6
100	26 (?)	708·8
100	59	598·7
100	60	309·9
100	132	295·0
100	132	197·6
100	134	156·1
100	132	152·6
100	133	140·8
100	204	117·5
100	433	62·0
100	580	44·9
100	740	7·6

Calcium chloride (continued):—
Regnault, P.M. [4], 8, 276; C.R. 39, 309:

°	mm.	
52·0 †	82·52	† Temp. of Liquid. Proportion of Salt unknown.
61·58	136·61	
71·80	219·44	
87·54	434·19	
129·86	1807·15	
136·30	2182·35	
142·79	2702·13	
147·91	3123·69	
78·45	198·41	Stronger solution than above.
79·1	282·92	
85·1	362·49	
91·1	479·17	
102·2	754·71	

Wullner, P.A. 110, 575:—

°C.	Tension of pure H_2O.	Tension of Solutions. 1 W.	7·5 W.	15 W.	30 W.
		mm.	mm.	mm.	mm.
16·2	13·71	13·678	13·212	12·738	10·915
18·4	15·747	15·709	15·050	14·651	12·454
19·84	17·212	17·170	16·515	15·867	13·579
20·4	17·826	17·783	....	16·384	14·193
21·85	19·479	19·426	18·383	17·638	15·298
23·28	21·272	21·211	19·977	19·132	16·594
26·05	25·058	24·992	23·866	22·830	19·834
28·35	28·684	28·609	27·296	26·105	22·632
32·22	35·8	35·709	34·215	32·725	28·358
34·9	41·595	41·495	39·960	38·125	33·360
37·5	48·261	48·138	46·079	43·893	38·430
38·93	51·866	51·734	49·385	47·400	41·140
40·66	56·708	56·564	54·030	51·752	45·150
43·05	64·496	64·330	61·519	58·359	51·496
45·55	73·274	73·098	70·298	67·338	58·752
48·69	86·21	86·008	83·092	79·279	69·360
51·7	100·078	99·837	96·116	91·959	80·035
53	106·636	106·384	102·476	98·324	85·529
55·69	121·514	121·232	117·155	112·267	97·532
58·3	137·458	137·141	132·509	126·986	110·694
58·7	140·062	139·724	134·974	128·513	111·680
60	148·791	148·451	143·514	137·541	120·093
60·6	153·019	152·667	147·643	140·974	123·662
62·28	165·456	165·057	159·191	151·813	132·200
63·13	171·583	171·184	165·417	157·981	138·330
64·10	179·537	179·123	173·124	165·741	144·640
65·64	191·075	190·612	183·482	175·100	151·939
68·45	217·902	217·395	210·113	200·954	175·180
70·60	239·273	238·726	230·852	220·571	192·571
72·20	256·287	255·702	247·655	236·415	206·976
74·38	281·908	281·280	272·657	260·738	228·752
76·83	311·429	310·719	300·483	287·417	251·954
78·80	337·747	336·985	326·062	312·235	273·511
80·60	363·427	362·621	351·489	336·419	295·245
82·63	393·831	392·950	380·622	364·369	319·333
84·80	429·516	428·547	415·097	396·421	348·160
86·50	459·212	458·191	443·861	424·990	372·988
87·65	480·175	479·102	464·175	443·954	389·703
89·93	524·150	522·989	506·098	484·150	427·868
92·2	571·031	569·799	552·288	528·193	468·730
94·65	625·630	624·270	605·282	578·777	511·913
96·85	678·310	676·830	645·962	627·454	554·587
99·30	741·280	739·698	718·280	687·332	607·766

Calcium chloride (continued):—
Hammerl, W.A. 72, 8; viii., 947.

°	ats.	W.
102·7	1	16·69
110·9	„	40·05
120·5	„	70·94
131·8	„	107·9
140·3	„	140·4
151·2	„	182·5
162·4	„	242·4

Tammann, W. 24, 550; B.r. 18, 313:—

Tension of pure H_2O.	Tension of Solution. 8·74 W.	16·70 W.
mm.	mm.	mm.
45·5	43·0	40·9
54·2	51·0	48·6
88·1	84·3	80·8
104·7	100·2	95·9
127·4	122·3	116·9
136·6	131·3	126·0
156·5	150·3	144·6
184·4	177·3	170·2
221·9	214·0	205·6
243·2	234·8	224·9
273·2	264·1	253·4
306·0	296·1	284·6
347·8	336·0	322·9
375·7	363·5	349·4
408·8	395·2	380·1
453·2	438·6	421·7
496·4	479·9	461·6
550·8	532·6	512·1
604·7	584·4	561·0
704·7	679·5	654·5
765·1	739·1	711·4

	20·12 W.	42·83 W.
	mm.	mm.
45·5	40·5	35·6
54·2	48·1	42·4
88·1	79·1	68·9
104·7	94·3	82·2
127·4	115·3	100·5
136·6	124·0	108·0
156·5	142·3	124·7
184·4	167·1	146·8
221·9	202·1	177·1
243·2	221·2	194·4
273·2	248·8	218·3
306·0	279·0	244·7
347·8	317·1	279·0
375·7	342·8	301·3
408·8	372·3	328·8
453·2	414·0	364·9
496·4	453·2	399·8
550·8	503·2	444·0
604·7	551·7	486·8
704·7	644·1	569·2
765·1	700·3	620·0

Cœsium chloride, CsCl.

Tammann, W. 24, 537; B.r. 18, 313.

Tension of pure H_2O.	Tension of Solution, 28·92 W.
mm.	mm.
32·2	30·3
71·6	66·8
84·6	78·1
99·8	93·1
112·4	105·0
127·0	118·4
160·4	150·4
188·6	176·9
212·1	199·2
244·7	230·0
285·3	269·4
336·7	317·4
382·5	360·2
415·0	390·8
488·4	460·0
527·3	496·8
599·2	564·9
652·1	613·2
760·1	715·0

Hydrochloric acid, HCl.

Kirwan, quoted by Dalton.
New System, 2, 295:—

°	ats.	W.
15·56	1	91·57
48·89 ?	„	34·41
62·78 ?	„	30·55
76·67	„	27·55
87·78	„	25·00
100·0	„	23·00
102·78	„	21·21
105·56	„	19·62
108·89	„	18·34
111·11	„	13·76
108·89	„	11·00
107·22	„	9·17
105·56	„	6·94
103·89	„	5·50
102·22	„	2·72
101·11	„	1·38

Roscoe and Dittmar, **12**, 146:—

°	mm.	W.
62	100	29·53
77	210	28·37
85	300	27·71
91	380	27·06
97	490	26·42
103	620	25·94

Mercuric chloride, $HgCl_2$.

Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	
101·1	1	sat.

Hannay, **26**, 573:—

°	ats.	
100·8	1	sat.

Mercuric chloride (continued) :—

Raoult, C.R. 87, 169; **36**, 4 :—

°	mm.	
100	759·56	1 W.

Potassium chloride, KCl.

Kremers, P.A. 99, 43 :—

°	ats.	
110	1	Sat.

Potassium chloride (continued) :—

Berzelius, Lehrbuch, 3, 93 :—

°	ats.	
108·3	1	Sat.

Gerlach, Sp. gw. Salzlösungen, 94 :—

°	ats.	W.
101·1	1	11·1
103·4	„	25·0

Raoult, C.R. 87, 169; **36**, 4 :—

°	mm.	
100	756·58	1 W.

Wüllner, P.A. 103, 545 :—

°C.	Tension of pure H_2O.	Tension of Solutions. 1 W.	10 W.	20 W.
	mm.	mm.	mm.	mm.
23·1	21·01	20·94	20·31	19·62
27·1	26·66	26·57	25·76	24·77
29·1	29·95	29·85	28·91	28·01
31·5	34·36	34·234	33·17	31·78
37·3	48·25	48·068	46·46	44·58
39·4	53·14	52·939	51·16	49·07
41·5	59·48	59·249	57·20	54·82
44·0	67·79	67·502	64·91	62·04
47·3	80·33	79·982	76·82	73·40
49·1	87·93	87·583	84·46	80·99
51·7	100·00	99·547	95·54	90·89
55·1	118·04	117·571	113·32	108·70
56·5	126·24	125·711	121·05	115·56
58·5	138·76	138·186	133·22	127·08
62·5	166·98	166·256	159·67	152·55
64·5	182·12	181·387	174·92	167·32
65·6	201·07	200·257	193·07	184·67
68·9	222·29	221·389	213·11	204·42
70·5	238·24	237·254	228·38	218·52
72·5	260·60	259·458	249·05	237·90
75·4	293·30	292·082	281·08	269·05
78·7	336·33	334·940	322·63	308·35
81·5	376·85	375·336	361·78	346·50
83·4	406·57	404·879	389·53	372·67
86·0	450·34	448·461	431·79	412·53
88·7	500·00	497·916	479·50	457·97
92·6	579·67	577·282	556·21	531·48
94·9	631·44	628·756	604·89	577·47
100·3	768·20	765·111	737·42	706·30

Tammann, W. 24, 530; B.r. 18, 313 :—

Tension of pur. H_2O.	Tension of Solutions. 13·82 W.	26·75 W.	27·34 W.
mm.	mm.	mm.	mm.
74·0	69·7	65·4	65·3
198·0	185·7	175·0	174·0
249·5	234·6	220·0	218·6
378·3	354·9	332·8	331·5
483·8	454·8	425·3	423·8
553·5	519·3	487·5	485·2
708·7	666·3	624·9	622·2
758·0	712·7	668·2	665·0

Potassium chloride (continued) :—

Legrand, A.C. [2], 59, 432 :—

°	ats.	W.
100·5	1	4·7
101·	„	9·0
101·5	„	13·2
102·	„	17·1
102·5	„	20·9
103·	„	24·5
103·5	„	28·0
104·	„	31·4
104·5	„	34·6
105·	„	37·8
105·5	„	41·0
106·	„	44·2
106·5	„	47·4
107·	„	50·5
107·5	„	53·7
108·	„	56·9
108·3	„	59·4

See also Pouchon, C.R. 89, 753; **38**, 211.

Lithium chloride, LiCl.

Kremers, P.A. 99, 43 :—

°	ats.	
171	1	sat.

Gerlach, Sp. gw. Salzlösungen, 96 :—

°	ats.	W.
100·7	1	5·26
102·3	„	11·1
105·1	„	17.7
109·2	„	25·0
114·0	„	33·3
119·9	„	42·9
127·1	„	53·9
135·6	„	66·6

Tammann, W. 24, 546; B.r. 13, 313 :—

Tension of pure H_2O.	Tension of Solutions. 8·01 W.	14·49 W.
mm.	mm.	mm.
59·5	....	51·5
67·8	63·1	58·8
77·4	72·4	67·9
92·1	85·8	80·3
100·8	94·0	87·5
112·9	104·9	98·6
126·6	....	110·4
161·3	150·7	141·0
187·2	175·1	163·6
207·6	194·1	181·6
228·1	213·6	100·2
254·5	238·7	222·9
286·4	266·8	250·4
324·4	303·3	283·8
351·5	327·8	307·5
379·9	355·7	332·7
397·9	372·4	348·3
433·1	405·4	379·8

Lithium chloride (continued) :—

Tension of pure H_2O.	Tension of Solutions. 8·01 W.	14·49 W.
mm.	mm.	mm.
471·2	441·0	412·9
517·4	482·9	452·9
558·3	521·4	489·1
604·3	564·5	529·2
660·4	617·4	578·9
697·6	649·0	610·3
752·1	700·8	658·7

	22·64 W.	32·36 W.
	mm.	mm.
59·5	46·6	40·9
67·8	53·0	46·6
77·4	60·5	53·1
92·1	72·0	63·5
100·8	79·0	69·7
112·9	88·5	77·7
126·6	99·4	87·7
161·3	127·4	112·6
187·2	....	131·1
207·6	164·2	145·6
228·1	181·9	159·5
254·5	202·1	178·1
286·4	226·5	200·3
324·4	257·4	228·0
351·5	278·7	246·8
379·9	302·4	268·3
397·9	316·4	280·7
433·1	344·7	306·3
471·2	375·6	333·3
517·4	412·2	366·5
558·3	444·6	395·5
604·3	....	428·2
660·4	526·8	469·2
697·6	556·7	495·3
752·1	600·1	535·9

Magnesium chloride, $MgCl_2$.

Gerlach, Sp. gw. Salzlösungen, 98 :—

°	ats.	W.
101·6	1	11·1
106·2	„	25·0
115·6	„	42·9

Tammann, W. 24, 551; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 12·22 W.	24·24 W.
mm.	mm.	mm.
28·0	....	24·0
46·5	43·0	40·1
55·0	51·5	47·5
65·0	60·5	55·6
75·0	70·2	64·1
85·7	80·4	73·5
97·8	91·5	84·2
111·8	105·1	96·6

Magnesium chloride (continued) :—

Tension of pure H_2O.	Tension of Solutions. 12·22 W.	24·24 W.
mm.	mm.	mm.
125·9	118·7	109·0
139·4	131·1	120·3
154·1	144·9	132·0
175·6	164·5	151·3
213·8	201·3	184·1
241·8	228·0	208·9
270·4	254·5	233·7
299·8	282·4	258·9
329·0	309·7	284·6
383·4	360·1	331·8
419·7	395·2	363·6
463·5	436·4	402·0
497·4	468·4	431·2
539·5	509·0	469·6
592·4	557·5	514·7
669·3	631·6	582·5
762·1	717·0	663·5
	33·14 W.	61·23 W.
	mm.	mm.
28·0	22·3	17·1
46·5	36·8	29·5
55·0	43·8	35·0
65·0	51·7	41·5
75·0	59·2	47·4
85·7	67·9	53·8
97·8	77·8	62·3
111·8	89·6	72·2
125·9	100·8	81·0
139·4	111·5	90·1
154·1	123·0	98·5
175·6	140·7	113·8
213·8	171·5	138·7
241·8	194·4	157·0
270·4	218·0	176·8
299·8	241·6	196·0
329·0	265·1	215·5
383·4	309·3	252·5
419·7	339·3	277·2
463·5	374·8	307·3
497·4	402·9	329·7
539·5	438·7	359·9
592·4	480·7	395·1
669·3	545·0	449·1
762·1	621·2	514·7

Sodium chloride, NaCl:

Legrand, Gm. 1, 269 ; iii., 89 :—

°	ats.	W.
108·4	1	41·2

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
106	1	30 sat.

Gerlach, Sp. gw. Salzlösungen, 93 :—

°	ats.	W.
100·9	1	5·26
101·9	,,	11·1
103·3	1	17·7
105·3	,,	25·0
107·6	,,	33·3

Sodium chloride (continued) :—

Bischoff, Storer's Dict. Sol. 182 :—

°	ats.	W.
101·50	1	5·26
103·03	,,	11·1
104·63	,,	17·7
106·26	,,	25·0
107·93	,,	33·3
107·9 to 108·99	,,	41·6

See also Pauchon, C.R. 89, 753 ; **38**, 211.

Karsten, Archiv. 20, 45 ; v., 337 :—

°	ats.	W.
100·21	1	1·01
101·10	,,	5·26
102·38	,,	11·1
103·83	,,	17·7
103·99	,,	17·7
105·46	,,	25·0
107·27	,,	33·3
108·83	,,	40·8

Sodium chloride (continued) :—

Jones, **33**, 182 :—

°	ats.	
108·25	1	sat.

Legrand, A.C. [2], 59, 431 :—

°	ats.	W.
100·5	1	4·4
101	,,	7·7
101·5	,,	10·8
102	,,	13·4
102·5	,,	15·9
103	,,	18·3
103·5	,,	20·7
104	,,	23·1
104·5	,,	25·5
105	,,	27·7
105·5	,,	29·8
106	,,	31·8
106·5	,,	33·9
107	,,	35·8
107·5	,,	37·7
108	,,	39·7
108·4	,,	41·2

Sodium chloride (continued) :—

Raoult, C.R. 87, 167 ; **36**, 4 :—

°	mm.	W.
100	755·41	1

Guthrie, P.M. [4], 49, 6 and 17 :—

°	ats.	W.
100·4	1	0
101·0	,,	5·55
101·2	,,	7·03
101·7	,,	8·55
102·0	,,	10·12
102·4	,,	11·74
102·6	,,	13·41
103·0	,,	15·11
103·4	,,	16·89
104·0	,,	18·71
104·2	,,	20·59
104·7	,,	22·53
108·8	,,	35·6 sat.

Sea-water from Dover, and containing 6·58 per cent. solid matter, boiled at 100°·6 (760).

Wüllner, P.A. 103, 542 :—

° C.	Tension of pure water.	Tension of Solutions. 1 W.	5 W.	10 W.	15 W.	20 W.	25 W.	30 W.
	mm.							
19·9	17·28	17·13	16·30	15·81	15·01	....	....	13·22
24·2	22·45	22·26	21·27	20·37	19·48	....	....	17·29
29·9	31·36	31·15	30·25	29·31	27·88	....	....	24·97
30·8	33·02	32·75	....	30·14	28·85	27·75	26·06	....
35·0	41·82	41·52	40·03	38·71	37·12	....	....	33·69
35·4	42·74	42·43	....	39·40	37·97	36·73	34·99	....
39·5	53·43	53·06	....	49·66	47·97	46·28	44·10	....
40·9	57·61	57·23	55·54	54·05	51·86	....	....	46·00
40·9	57·61	57·23	55·59	54·09	52·39	50·13	....	45·76
42·6	62·97	62·55	....	58·81	57·02	54·64	51·96	....
44·8	70·27	69·82	68·08	66·15	63·47	...	....	59·18
45·7	73·98	73·50	....	69·11	67·13	64·56	61·58	....
48·4	84·36	83·80	81·49	79·20	76·43	72·74	....	66·52
49·1	87·93	87·36	....	82·29	79·81	76·44	73·07	....
49·8	91·09	90·50	88·25	85·28	82·11	79·73	....	72·89
52·5	104·49	103·87	101·41	98·34	95·82	92·05	....	83·57
53·8	110·87	110·18	....	103·84	101·27	96·62	93·15	....
54·1	112·59	111·88	109·12	105·95	101·98	99·03	....	90·41
56·6	126·84	126·04	....	118·33	115·15	110·69	106·65	....
57·9	134·88	134·05	130·83	126·77	123·80	118·26	....	108·04
59·0	142·01	141·18	137·89	134·03	129·48	125·33	....	....
60·6	152·99	152·07	....	142·61	139·22	....	130·34	....
60·9	155·09	154·15	....	145·00	142·81	136·30	131·55	....
61·2	157·29	156·34	152·54	....	143·83	137·60	....	....
62·2	165·07	164·04	....	154·80	....	144·56	139·17	....
63·8	177·11	176·08	....	167·18	162·33	156·35	149·73	....
64·7	184·45	183·40	....	173·28	169·54	....	158·60	....
64·8	185·27	184·18	....	175·39	170·25	163·82	157·30	....
67·8	211·73	210·52	....	198·79	193·95	....	181·66	....
67·9	212·67	211·44	....	200·82	194·60	186·23	182·41	....
68·6	219·36	218·00	212·53	206·52	201·56	191·87	....	....

Sodium chloride (continued) :—

°C.	Tension of pure water.	Tension of Solutions. 1 W.	5 W.	10 W.	15 W.	20 W.	25 W.	30 W.
	mm.							
68·7	220·24	218·99	....	208·20	201·93	194·65	....	....
72·2	256·27	254·76	....	241·76	234·85	226·07	216·49	....
75·3	292·20	290·50	....	275·73	....	258·00	247·06	....
75·5	294·66	292·88	....	277·69	....	258·65	248·00	....
78·6	335·01	333·14	....	....	....	296·07	285·72	....
82·2	388·33	386·09	....	366·75	....	342·13	328·92	....
85·7	445·09	442·48	....	419·79	....	392·51	379·19	....
88·5	496·15	493.30	....	467·51	....	436·21	....	....
91·2	549·92	546·64	534·08	517·55	....	483·22	....	....
92·0	566·76	563·32	....	532·93	....	497·21	....	....
92·0	566·76	563·19	....	532·52	514·92	492·00	....	....
100·5	775·40	770·95	....	730·50	712·48	682·99	....	....
100·7	779·26	774·46	....	729·95	....	684·27	....	....

Tammann, W. 24, 537 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 14·78 W.	21·94 W.
mm.	mm.	mm.
88·6	80·7	76·0
103·2	93·3	88·7
121·4	110·9	104·9
142·5	129·8	122·3
161·1	146·8	139·3
177·4	162·0	151·1
194·8	177·5	167·8
218·9	199·0	188·5
245·9	224·7	211·3
285·9	260·2	246·1
292·5	266·8	252·4
323·2	294·6	278·9
417·1	381·1	360·3
431·4	393·5	371·7
472·3	430·6	407·1
503·3	459·0	433·8
541·5	494·6	467·7
598·1	546·7	516·9
670·4	611·9	578·7
770·9	703·7	666·6

Tension of pure H_2O.	Tension of Solutions. 35·66 W.
mm.	mm.
88·6	66·7
103·2	78·2
121·4	92·0
142·5	108·4
161·1	121·6
177·4	134·8
194·8	148·2
218·9	166·2
245·9	186·8
285·9	217·6
292·5	222·2
323·2	246·5
417·1	319·5
431·4	329·0
472·3	359·8
503·3	384·2
541·5	413·5
598·1	457·9
670·4	512·6
770·9	590·1

Ammonium chloride, NH_4Cl.

Berzelius, Lehrbuch, 3, 280 :—

°	ats.	W.
114·2	1	88·9 sat.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
113·5	1	100 sat.

Gerlach, Sp. gw. Salzlösungen, 97 :—

°	ats.	W.
101·7	1	11·1
104·4	,,	25·0

Legrand, A.C. [2], 59, 436 ; iii., 89 :—

°	ats.	W.
101	1	7·8
102	,,	13·9
103	,,	19·7
104	,,	25·2
105	,,	30·5
106	,,	35·7
107	,,	41·3
108	,,	47·3
109	,,	53·5
110	,,	59·9
111	,,	66·4
112	,,	73·3
113	,,	80·5
114	,,	88·1
114·2	,,	88·9 sat.

Raoult, C.R. 87, 169 ; 36, 4 :—

°	mm.	W.
100	755·71	1

Ammonium chloride (continued) :—
Tammann, W. 24, 544 ; B.r. 13, 313 :—

Tension of pure H_2O.	Tension of Solutions. 6·06 W.	24·38 W.
mm.	mm.	mm.
43·2	....	37·4
57·1	....	49·3
72·7	....	62·2
99·7	....	85·6
238·8	....	205·3
305·0	295·7	262·9
366·3	354·2	315·6
542·5	525·3	467·7
581·8	564·3	502·1
673·0	653·5	581·6
768·1	744·4	664·9

Tension of pure H_2O.	28·52 W.	48·04 W.
	mm.	mm.
43·2	36·4	....
57·1	48·2	43·0
72·7	60·5	54·7
99·7	83·0	74·6
238·8	198·8	177·8
305·0	254·8	227·6
366·3	305·1	272·2
542·5	452·7	402·6
581·8	485·6	....
673·0	562·8	....
768·1	642·3	....

Rubidium chloride, RbCl.

Tammann, W. 24, 536 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 15·08 W.	34·93 W.
mm.	mm.	mm.
40·2	38·8	36·5
47·0	45·3	42·6
57·0	54·4	51·3
66·4	63·2	59·6
80·0	77·0	72·5
91·2	87·7	82·2
105·9	101·4	95·0
116·8	112·1	104·9
133·2	127·9	120·3
148·8	143·1	134·4
169·3	161·9	152·4
187·4	180·6	169·8
216·1	207·6	195·4
242·6	233·0	219·8
284·2	273·1	257·3
315·2	302·6	285·8
337·4	324·1	305·1
360·2	346·8	326·2
385·2	370·9	349·0
414·0	398·5	374·8
448·3	431·1	405·6
473·1	455·7	428·7
502·5	484·5	456·1
584·9	563·8	530·6
654·2	630·4	594·1
695·1	668·3	630·0
768·5	737·8	695·2

Tension of pure H_2O.	43·23 W.	76·51 W.
	mm.	mm.
40·2	35·7	31·3
47·0	40·7	36·4
57·0	49·7	44·1
66·4	57·6	51·2
80·0	69·5	62·1
91·2	79·3	70·3
105·9	91·6	81·2
116·8	101·3	89·5
133·2	116·0	102·9
148·8	129·6	115·0
169·3	147·4	130·9
187·4	162·8	145·2
216·1	189·0	168·6
242·6	212·1	188·0
284·2	247·9	220·4
315·2	275·4	243·6
337·4	294·9	261·6
360·2	315·1	....
385·2	336·9	299·3
414·0	362·2	321·7
448·3	391·6	347·5
473·1	414·4	367·5
502·5	440·3	391·2
584·9	512·2	455·2
654·2	574·0	508·5
695·1	609·6	540·9
768·5	673·2	598·7

Strontium chloride, $SrCl_2$.

Kremers, P.A. 92, 499 :—

°	ats.	
114	1	sat.

Legrand, A.C. [2], 59, 436 ; iii., 89 :—

°	ats.	W.
101	1	16·7
102	"	25·2
103	"	32·1
104	"	37·9
105	"	43·4
106	"	48·8
107	"	54·0
108	"	59·0
109	"	63·9
110	"	68·9
111	"	74·1
112	"	79·6
113	"	85·3
114	"	91·2
115	"	97·5
116	"	104·0
117	"	110·5
117·85	"	117·5sat.

Tammann, W. 24, 549 ; B.r. 13, 313 :—

Tension of pure H_2O.	Tension of Solutions. 10·6 W.	26·6 W.	41·13 W.
mm.	mm.	mm.	mm.
27·2	....	24·2	22·8
40·9	....	37·4	35·3
58·1	....	51·9	49·5
71·6	....	65·8	62·3
84·6	....	77·4	73·1
99·8	96·5	91·3	86·5
112·4	109·0	102·9	97·8
127·0	123·4	116·4	110·9
160·4	155·4	146·6	139·0
188·6	183·7	173·2	164·4
212·1	206·5	194·5	185·8
244·7	238·6	224·8	213 5
285·3	277·9	262·5	250·2
336·7	327·5	308·6	293·6
382·5	372·2	352·2	334·8
415·0	403·6	381·7	363·1
488·4	475·2	449·5	428·6
527·3	513·1	485·7	462·8
599·2	583·7	552·5	526·2
652·1	632·9	600·7	571·9
760·1	739·1	702·7	669·0

Barium bromide, $BaBr_2$.

Kremers, P.A. 99, 43 :—

°	ats.	
113	1	sat.

Tammann, W. 24, 552 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 22·47 W.	46·04 W.	67·03 W.	99·83 W.
mm.	mm.	mm.	mm.	mm.
57·6	54·6	51·2	47·3	41·9
73·4	69·4	65·2	60·8	55·0
87·8	82·9	78·2	72·8	64·8
101·4	96·2	89·9	84·4	74·6
121·3	115·9	107·9	100·6	89·3
141·3	135·1	125·9	117·3	104·2
162·2	154·7	144·5	135·2	120·0
195·2	186·7	174·6	162·5	144·4
227·3	216·8	202·5	189·3	168·7
258·5	246·9	231·3	216·5	192·7
296·9	283·5	264·5	247·8	221·1
332·8	318·7	298·3	279·7	249·0
370·0	352·9	329·6	310·1	276·0
418·8	400·4	375·3	351·3	313·6
474·0	452·1	424·6	397·8	355·8
517·2	494·3	464·2	435·2	389·3
561·1	535·8	503·2	471·3	422·2
608·0	581·1	544·6	511·5	458·4
616·6	590·1	552·3	518·8	464·9
658·9	630·2	590·4	553·0	496·9
699·4	668·2	626·6	587·9	528·2
764·0	728·4	685·3	641·3	578·5

Calcium bromide, $CaBr_2$.

Tammann, W. 24, 553 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 26·32 W.	46·70 W.	106·5 W.	150·0 W.
mm.	mm.	mm.	mm.	mm.
63·0	59·0	54·1	43·8	37·4
80·8	75·1	69·3	55·7	47·8
98·6	91·8	85·0	68·1	58·3
120·9	112·8	104·3	83·7	72·0
159·4	148·3	139·1	111·3	95·8
182·8	170·7	159·7	127·4	110·5
213·2	199·0	186·0	149·5	129·0
241·1	224·1	209·6	168·6	145·9
273·3	254·9	239·0	191·3	165·9
324·3	302·4	284·1	228·0	198·3
365·1	340·4	319·6	257·0	224·2
411·9	384·7	361·4	290·9	253·8
495·7	462·0	434·9	352·8	310·3
554·4	518·7	486·8	393·2	344·4
632·2	590·4	554·2	448·7	393·4
680·3	634·6	596·9	484·7	427·7
775·6	723·2	680·0	555·5	504·0

Hydrobromic acid, HBr.

Storer, Dict. Solubilities, 75 :—

°	ats.	
b. 100	1	sat.
a. 100	"	more dil.

Potassium bromide, KBr.

Kremers, P.A. 97, 15, 20 :—

°	ats.	
112	1	sat.

Raoult, C.R. 87, 169 ; **36**, 4 :—

°	mm.	
100	757·64	1 W.

Tammann, W. 24, 530 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 24·63 W.	35·40 W.	44·45 W.	68·57 W.
mm.	mm.	mm.	mm.	mm.
196·8	184·9	178·6	173·0	161·6
242·8	227·7	220·1	213·0	199·4
298·0	278·5	269·3	261·1	243·4
380·8	356·0	343·6	332·7	310·0
502·3	469·5	453·2	438·0	406·9
559·0	522·8	503·7	488·0	452·8
639·2	598·8	576·5	558·5	517·5
769·4	718·1	695·0	671·4	....

Lithium bromide, LiBr.

Tammann, *ibid.* :—

Tension of pure H_2O.	Tension of Solutions. 19·39 W.	34·90 W.
mm.	mm.	mm.
23·4	....	18·8
39·4	34·5	30·7
54·5	48·6	43·5
79·1	71·6	64·7
96·1	87·0	78·5
108·4	98·2	88·9
119·1	108·3	98·3
148·5	135·1	123·4
172·7	158·0	144·8
190·6	174·7	159·1
204·9	187·6	170·8
220·5	202·4	183·5
248·9	228·8	208·7
270·5	249·2	226·9
285·3	262·2	238·9
317·1	291·8	266·1

Lithium bromide (continued):—

Tension of pure H_2O.	Tension of Solutions.	
	19·39 W.	34·90 W.
mm.	mm.	mm.
338·9	311·4	283·7
369·4	340·1	309·9
385·7	354·8	323·7
408·5	375·3	342·7
461·9	424·3	387·6
506·3	464·1	424·3
538·8	494·2	451·7
578·5	530·9	485·7
628·2	576·5	527·3
672·1	616·5	564·5
765·7	703·1	642·8
	51·82 W.	79·89 W.
	mm.	mm.
23·4	16·0	12·9
39·4	27·7	21·9
54·5	39·3	31·2
79·1	57·9	46·3
96·1	70·3	56·2
108·4	79·5	64·2
119·1	88·4	71·1
148·5	110·3	89·6
172·7	129·6	104·9
190·6	142·3	114·8
204·9	152·7	123·8
220·5	164·3	133·5
248·9	186·4	150·8
270·5	202·9	165·0
285·3	213·9	172·7
317·1	238·0	192·9
338·9	254·6	206·4
369·4	277·3	225·2
385·7	289·4	235·4
408·5	307·0	250·3
461·9	347·2	282·5
506·3	380·3	310·1
538·8	405·0	330·5
578·5	434·6	....
628·2	472·6	....
672·1	506·0	....
765·7	577·5	....

Magnesium bromide, $MgBr_2$.

Tammann, *ibid.*:—

Tension of pure H_2O.	Tension of Solutions.	
	18·23 W.	32·41 W.
mm.	mm.	mm.
22·8	21·2	20·2
28·8	27·3	25·5
36·6	34·5	32·5
45·4	42·7	40·4
54·5	51·3	48·7
69·1	65·2	62·0
88·2	83·7	79·3
106·7	100·8	95·5
135·0	127·5	121·4
146·1	139·3	131·8

Magnesium bromide (continued):—

Tension of pure H_2O.	Tension of Solutions.	
	18·23 W.	32·41 W.
mm.	mm.	mm.
174·6	166·4	157·5
193·9	185·5	175·8
223·6	214·0	203·3
260·0	247·5	235·2
286·4	271·8	258·5
313·1	298·0	282·7
340·9	324·6	308·7
375·8	357·1	339·4
435·1	412·9	393·0
475·1	452·4	429·9
539·3	512·4	487·5
593·8	564·6	537·2
671·5	640·1	609·6
718·7	682·6	649·8
758·7	720·8	686·8
	50·77 W.	88·10 W.
	mm.	mm.
22·8	18·2	15·2
28·8	23·1	19·5
36·6	29·5	24·4
45·4	36·6	30·6
54·5	44·5	36·9
69·1	56·3	47·0
88·2	72·5	60·4
106·7	87·4	72·9
135·0	110·8	93·0
146·1	120·8	101·3
174·6	144·0	120·8
193·9	160·8	135·3
223·6	185·2	156·0
260·0	219·4	182·4
286·4	241·3	200·8
313·1	263·3	219·6
340·9	286·9	239·6
375·8	314·5	263·9
435·1	364·3	306·9
475·1	397·6	335·4
539·3	451·4	381·4
593·8	497·2	421·2
671·5	562·3	478·2
718·7	602·1	511·2
758·7	635·8	541·1

Sodium bromide, NaBr.

Kremers, P.A. 97, 14, 20; v., 331:—

°	ats.	
121	1	sat.

Tammann, W. 24, 538; B.r. 18, 313:—

Tension of pure H_2O.	Tension of Solutions.	
	18·24 W.	31·93 W.
mm.	mm.	mm.
67·2	63·0	59·1
72·2	67·8	63·5
81·0	76·3	71·4
87·7	82·2	77·0

Sodium bromide (continued):—

Tension of pure H_2O.	Tension of Solutions.	
	18·24 W.	31·93 W.
mm.	mm.	mm.
104·8	98·5	92·6
125·7	118·4	111·5
136·6	128·6	120·7
150·0	141·4	132·7
167·0	157·2	147·7
188·3	177·2	166·2
211·2	198·0	186·0
222·0	208·5	195·6
243·7	228·2	214·5
281·7	264·2	247·8
348·5	326·8	306·2
383·6	359·7	337·5
431·3	404·1	379·7
481·8	451·9	428·1
541·3	506·6	475·7
606·8	568·8	533·4
682·8	640·5	601·5
768·9	719·9	675·6
	41·01 W.	57·55 W.
	mm.	mm.
67·2	56·9	51·7
72·2	60·9	55·3
81·0	68·6	62·6
87·7	73·5	67·0
104·8	88·7	80·4
125·7	106·5	96·3
136·6	115·2	104·1
150·0	126·5	114·5
167·0	140·6	127·4
188·3	158·3	143·5
211·2	178·7	160·7
222·0	186·0	168·7
243·7	204·4	185·1
281·7	236·3	213·2
348·5	292·5	266·1
383·6	322·0	290·9
431·3	361·7	331·5
481·8	403·5	366·4
541·3	453·4	410·1
606·8	508·9	462·1
682·8	572·6	519·5
768·9	644·7	586·1

Ammonium bromide, NH_4Br.

Tammann, *ibid.*:—

Tension of pure H_2O.	Tension of Solutions.	
	14·52 W.	28·87 W.
mm.	mm.	mm.
62·9	60·3	56·9
91·3	87·1	82·2
121·9	116·1	110·2
166·9	159·3	151·2
222·2	212·7	201·3
362·4	345·7	328·0
463·9	442·6	420·0
550·0	525·7	498·4
777·8	741·0	702·9

Ammonium bromide (continued):—

Tension of pure H_2O.	Tension of Solutions.	
	55·60 W.	60·82 W.
mm.	mm.	mm.
62·9	51·3	50·1
91·3	74·6	72·8
121·9	99·4	96·7
166·9	136·6	133·5
222·2	183·4	178·1
362·4	296·4	290·3
463·9	378·6	370·8
550·0	449·7	440·5
777·8	635·1	622·0

Strontium bromide, $SrBr_2$.

Tammann, *ibid.*:—

Tension of pure H_2O.	Tension of Solutions.	
	20·24 W.	43·15 W.
mm.	mm.	mm.
75·7	72·6	68·5
91·6	86·7	82·6
113·0	107·8	102·2
130·6	126·2	118·9
153·7	147·4	138·9
174·7	169·1	159·1
198·2	190·6	180·4
232·1	223·2	210·7
266·4	255·9	241·3
291·9	281·1	265·6
329·5	317·3	299·2
363·6	348·8	330·1
431·5	413·8	391·1
484·9	466·6	441·3
550·0	527·7	499·4
616·2	592·2	560·4
706·0	679·0	643·3
774·2	744·3	702·4
	71·95 W.	134·5 W.
	mm.	mm.
75·7	62·7	50·8
91·6	75·6	61·3
113·0	94·5	77·1
130·6	109·4	89·5
153·7	128·4	105·4
174·7	143·8	120·3
198·2	165·8	136·4
232·1	194·2	160·0
266·4	222·7	184·0
291·9	244·1	202·7
329·5	275·8	228·4
363·6	304·4	253·0
431·5	361·8	301·5
484·9	408·2	340·3
550·0	461·3	385·4
616·2	518·5	433·0
706·0	594·4	497·7
774·2	653·2	548·5

Potassium iodide, KI.

Baup, iv., 705 :—

°	ats.	
120	1	sat.

Gay Lussac in Thomson's system, 1831 :—

°	ats.	
120	1	sat.

Kremers, P.A. 97, 15, 20 :—

°	ats.	
119	1	sat.

Raoult, C.R. 87, 169 ; 36, 4 :—

°	mm.	
100	758·3	1 W.

Tammann, W. 24, 531 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 13·09 W.	35·97 W.
mm.	mm.	mm.
37·1	36·3	34·6
60·2	59·0	56·2
77·5	76·0	72·4
98·0	95·7	91·2
107·3	104·8	99·8
132·4	....	123·6
158·8	154·3	147·4
250·9	245·3	232·7
295·5	289·3	274·3
343·4	335·0	316·9
410·9	401·9	380·7
529·6	518·2	490·7
601·8	589·2	558·4
676·2	....	628·5
778·1	759·0	720·0

	66·61 W.	96·34 W.
	mm.	mm.
37·1	32·7	30·6
60·2	52·8	48·9
77·5	67·4	62·4
98·0	84·6	77·9
107·3	93·2	85·9
132·4	115·5	106·5
158·8	137·1	125·8
250·9	215·7	198·2
295·5	253·9	233·3
343·4	293·5	269·6
410·9	351·9	323·2
529·6	451·2	415·4
601·8	511·7	471·0
676·2	578·5	530·4
778·1	663·8	....

Lithium iodide, LiI.

Tammann, *ibid.* :—

Tension of pure H_2O.	Tension of Solutions. 11·16 W.	32·7 W.
mm.	mm.	mm.
41·3	40·0	37·1
63·0	60·9	56·4
84·8	82·4	76·4
120·7	117·1	108·8

Lithium iodide (continued) :—

Tension of pure H_2O.	Tension of Solutions. 11·16 W.	32·7 W.
mm.	mm.	mm.
150·6	146·2	135·9
183·1	177·3	165·6
209·9	203·9	189·9
253·6	245·9	229·8
290·5	282·4	263·7
326·4	317·0	295·8
369·3	358·4	334·8
423·2	411·8	384·1
458·7	445·7	416·4
508·0	491·9	459·7
581·0	564·7	527·4
660·4	641·1	599·2
760·9	738·9	690·7

	57·65 W.	64·43 W.
	mm.	mm.
41·3	33·5	31·2
63·0	51·1	49·2
84·8	69·1	66·7
120·7	99·3	95·9
150·6	124·8	119·5
183·1	152·9	145·7
209·9	173·5	167·8
253·6	207·2	202·8
290·5	240·9	233·0
326·4	270·8	262·0
369·3	307·5	296·6
423·2	352·4	340·0
458·7	381·5	369·1
508·0	421·7	408·2
581·0	483·9	467·7
660·4	550·3	531·8
760·9	634·3	613·4

Sodium iodide, NaI.

Kremers, P.A. 97, 14 ; v., 340 :—

°	ats.	
141	1	sat.

Tammann, W. 24, 539 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 13·22 W.	43·97 W.
mm.	mm.	mm.
50·5	48·6	44·5
72·3	69·7	63·9
84·3	81·5	74·5
92·0	89·5	81·7
108·9	105·4	96·2
125·6	....	110·6
138·2	134·0	132·1
155·2	150·2	137·9
181·3	176·2	160·0
217·3	211·0	191·4
240·2	233·5	212·0
265·2	258·2	234·1
296·7	288·2	261·3
360·2	350·3	318·6
392·1	381·8	346·1

Sodium iodide (continued) :—

Tension of pure H_2O.	Tension of Solutions. 13·22 W.	43·97 W.
mm.	mm.	mm.
430·9	419·7	379·5
470·9	458·0	415·0
529·2	515·7	467·2
582·3	566·2	513·1
643·6	626·6	567·7
693·5	673·1	609·9
731·2	....	642·0
771·5	748·1	677·8

	57·48 W.	86·86 W.
	mm.	mm.
34·1	28·7	24·9
39·5	33·2	28·7
50·5	42·2	36·7
72·3	60·3	52·3
84·3	70·7	61·0
92·0	77·7	67·0
108·9	91·3	79·0
125·6	105·2	91·3
138·2	115·9	100·3
155·2	129·9	112·5
181·3	151·8	131·6
217·3	181·6	158·3
240·2	201·0	174·1
265·2	221·7	192·2
296·7	247·5	214·3
360·2	300·9	261·1
392·1	327·8	284·0
430·9	359·7	312·3
470·9	392·7	341·3
529·2	442·7	384·9
582·3	485·7	422·8
643·6	537·7	468·4
693·5	578·7	503·0
731·2	609·1	529·3
771·5	643·0	560·8

Ammonia, NH_3.

Dalton, New System, 2, 422.

°	ats.	W.
− 3·3	1	54·5
+ 3·3	"	48·3
10·0	"	42·6
16·6	"	37·6
23·3	"	32·8
30·0	"	28·5
36·6	"	24·7
43·3	"	21·1
50·0	"	17·8
56·6	"	14·7
63·3	"	11·7
70	"	9·0
78·3	"	6·6
86·1	"	4·3
91·1	"	2·1

Sodium silicofluoride, Na_2SiF_6.

Stolba, J. p., 90, 193 ; v., 271.

°	ats.	
101	1	sat.

Potassium hydroxide, KOH.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	
begins 158	1	sat.

Dalton, New System, 2, 476 ; cf. Storer, Dict. Sol. 452 :—

°	ats.	* W.
100·56	1	4·9
101·11	"	10·5
101·66	"	14·9
103·33	"	19·3
104·44	"	24·2
106·66	"	30·5
109·44	"	35·7
112·22	"	41·6
115·56	"	47·9
118·89	"	52·4
123·89	"	58·2
129·44	"	65·5
135·56	"	75·1
143·33	"	87·6
160	"	104·5
188·22	"	131·5
215·56	"	174·7
315·56	"	262·3
red heat	"	525·0

Cf. also Wüllner, P.A. 110, 566, 568, where a large number of data are given.

* Of K_2O to 100 pts. water.

Sodium hydroxide, NaOH.

Griffiths, Q.J.S. [1825], 18, 91 :—

°	ats.	
216	1	sat.

Osann, v., 339 ; cf. Storer, Dict. Sol. 454 :—

°	ats.	* W.
130	1	58·2

Dalton, New System, 2, 496 ; cf. Storer, Dict. Sol. 454 :—

°	ats.	* W.
100·56	1	4·9
101·11	"	9·7
102·78	"	14·9
104·44	"	19·0
106·66	"	23·4
108·89	"	29·9
112·78	"	35·1
116·66	"	40·8
120·00	"	44·9
123·89	"	51·5
129·44	"	58·2
137·78	"	70·1
148·89	"	87·3

Sodium hydroxide (continued) :—

°	ats.	* W.
204·44	1	116·5
315·56	„	174·7
red heat	„	350·5

Cf. also Wüllner, P.A. 110, 571, 573, where a large number of data are given.

* Of Na_2O to 100 pts. water.

Barium chlorate, $Ba(ClO_3)_2$.

Kremers, P.A. 99, 43 :—

°	ats.	
111	1	sat.

Perchloric acid, $HClO_4$.

Serrullas, A.C. [2], 46, 296 :—

°	ats.	sp. gr.
200	1	1·65*

* Most concentrated solution.

Potassium chlorate, $KClO_3$.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
103·3	1	66·67 sat.

Kremers, P.A. 97, 19 :—

°	ats.	
105	1	sat.

Legrand, A.C. [2], 59, 434; iii., 89 :—

°	ats.	W.
101	1	14·64
102	„	29·28
103	„	43·92
104	„	58·56
104·2	„	61·50

Raoult, C.R. 87, 169; 36, 4 :—

°	mm.	W.
100	758·18	1

Tammann, W. 24, 533; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solution. 11·41 W.	Tension of Solution. 16·58 W.
mm.	mm.	mm.
183·5	180·9	....
203·5	200·2	200·0
243·6	238·6	....
275·3	270·2	270·0
298·4	292·9	292·4
344·3	337·5	337·1
377·5	368·3	367·3
432·3	421·6	420·1
488·2	476·3	474·8
553·9	540·6	538·3
605·9	590·3	588·4
677·1	660·7	657·1
771·6	751·2	746·8

Sodium chlorate, $NaClO_3$.

Kremers, P.A. 92, 499; 97, 21 :—

°	ats.	
a. 125	1	sat.
132	„	sat.
135	„	supersat.

Wüllner, P.A. 110, 579 :—

Temp.	Tension of pure H_2O.	Tension of Solution. 12·5 W.
°	mm.	mm.
37·4	48·73	47·58
39·75	54·16	54·56
41·0	57·91	56·16
43·2	64·20	62·25
45·7	73·98	71·80
47·5	81·14	78·95
49·4	89·21	86·76
51·2	97·62	94·77
53·3	108·75	105·50
55·65	120·89	117·29
57·45	131·73	127·73
59·3	144·69	140·59
62·7	169·25	164·50
64·25	180·37	175·07
65·1	187·79	182·39
67·6	209·89	203·59
69·4	217·12	210·27
71·07	244·09	236·69
73·2	267·42	259·02
75·3	291·17	283·12
78·2	329·53	319·13
81·62	378·34	367·34
84·5	424·61	412·61
		25 W.
39·75	54·16	51·26
41·0	57·91	54·41
43·2	64·2	60·15
45·7	73·98	69·62
47·5	81·14	76·49
49·4	89·21	84·31
51·2	97·62	92·22
53·3	108·75	102·40
55·65	120·89	113·14
57·45	131·73	124·23
59·3	144·69	136·54
62·7	169·25	159·70
64·25	180·37	169·77
65·1	187·79	177·39
67·6	209·89	197·74
69·4	217·12	204·27
71·07	244·09	228·79
73·2	267·42	251·52
75·3	291·17	274·47
78·2	329·53	309·53
81·62	378·34	356·84
84·5	424·61	388·61

Sodium chlorate (continued) :—

Tammann, W. 24, 543; B.r. 13, 313 :—

Tension of pure H_2O.	Tension of Solution. 24·66 W.	Tension of Solution. 53·15 W.
mm.	mm.	mm.
16·6	15·4	13·8
24·9	23·0	21·2
33·7	30·8	27·8
45·1	41·8	37·8
66·9	61·6	56·1
83·3	76·7	69·9
104·1	95·5	87·1
111·8	102·6	93·6
132·5	122·1	110·8
153·2	140·9	128·2
172·3	159·0	144·4
197·0	181·9	165·4
219·3	202·4	183·5
246·8	227·5	205·9
275·9	255·0	231·4
292·8	269·2	244·9
312·6	288·5	263·6
342·8	316·3	286·9
374·3	345·8	314·4
409·2	378·8	344·1
496·0	459·6	416·1
541·9	500·6	453·9
585·9	539·1	490·3
645·3	591·9	539·7
763·6	709·4	639·4
	86·41 W.	136·79 W.
	mm.	mm.
16·6	11·7	....
24·9	17·7	....
33·7	23·7	....
45·1	31·6	....
66·9	46·9	....
83·3	58·4	....
104·1	73·4	....
111·8	78·6	....
132·5	92·8	....
153·2	107·5	99·0
172·3	120·9	113·8
197·0	136·9	126·0
219·3	153·4	141·0
246·8	173·0	158·2
275·9	193·1	176·4
292·8	204·6	186·9
312·6	219·6	200·4
342·8	239·9	219·5
374·3	262·2	240·5
409·2	286·5	261·7
496·0	346·6	317·0
541·9	379·6	347·0
585·9	410·1	374·5
645·3	451·5	412·7
763·6	535·6	....

Potassium bromate, $KBrO_3$.

Kremers, P.A. 92, 500; 97, 5, 21 :—

°	ats.	
102	1	sat.
104	„	sat.
106	„	supersat.

Sodium bromate, $NaBrO_3$.

Kremers, P.A. 97, 5 :—

°	ats.	
109	1	sat.

Potassium iodate, KIO_3.

Kremers, P.A. 94, 271; 95, 121; 97, 5; iii., 303 :—

°	ats.	
102	1	sat.

Sodium iodate, $NaIO_3$.

Kremers, 97, 5, 8; 99, 444; iii., 306 :—

°	ats.	W.
102	1	34 sat.

Silver sulphate, Ag_2SO_4.

Kremers, P.A. 92, 499 :—

°	ats.	
100	1	sat.

Aluminium sulphate, $Al_2(SO_4)_3$.

Tammann, W. 24, 558; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 10·54 W.	Tension of Solutions. 20·81 W.
mm.	mm.	mm.
66·6	65·7	65·7
83·6	82·5	82·2
99·3	97·8	97·6
126·4	124·7	124·1
149·7	147·8	147·1
175·4	173·6	172·6
208·7	206·6	205·2
230·8	228·4	227·2
286·7	284·6	282·8
302·9	300·7	298·6
346·9	344·7	342·7
372·4	370·1	368·2
422·3	418·7	416·5
507·6	503·0	....
567·2	562·4	558·4
634·6	629·8	624·9
689·0	684·8	678·6
765·7	759·5	754·0
	45·24 W.	72·18 W.
	mm.	mm.
66·6	62·5	61·0
83·6	78·8	76·3
99·3	93·2	90·2
126·4	119·0	115·0

Aluminium sulphate (continued) :—

Tension of pure H_2O.	Tension of Solution.	
	45·24 W.	72·18 W.
mm.	mm.	mm.
149·7	140·8	136·0
175·4	165·8	159·3
208·7	196·5	189·2
230·8	218·3	210·8
286·7	272·9	263·8
302·9	288·0	278·2
346·9	330·4	319·0
372·4	356·1	343·2
422·3	402·4	389·1
507·6	482·8	466·5
567·2	541·5	524·3
634·6	606·9	588·4
689·0	661·2	639·1
765·7	734·5	710·4

Beryllium sulphate, $BeSO_4$.

Tammann, W. 24, 558; B.r. 18, 313:—

Tension of pure H_2O.	Tension of Solutions.	
	14·96 W.	33·0 W.
mm.	mm.	mm.
17·4	....	16·1
34·5	....	31·9
51·8	50·6	48·1
76·1	74·0	71·6
85·4	83·0	79·9
126·3	123·2	118·7
142·9	139·1	135·0
163·3	159·8	154·5
200·1	195·7	189·9
228·8	223·7	216·9
255·3	249·3	242·7
296·3	289·0	281·1
347·6	339·5	330·3
401·9	393·9	383·5
444·8	436·6	425·5
502·3	491·2	478·7
540·7	529·1	516·2
589·6	....	563·7
637·6	....	609·8
775·0	759·4	740·0

	43·89 W.	64·01 W.
	mm.	mm.
17·4	15·7	14·7
34·5	30·3	29·2
51·8	45·9	43·8
76·1	68·6	65·0
85·4	77·4	72·9
126·3	114·3	108·8
142·9	129·3	123·5
163·3	148·2	141·9
200·1	182·2	174·4
228·8	208·1	199·6
255·3	232·7	223·9
296·3	270·5	259·7

Beryllium sulphate (continued) :—

Tension of pure H_2O.	Tension of Solution.	
	43·89 W.	64·01 W.
mm.	mm.	mm.
347·6	318·2	305·9
401·9	369·0	356·0
444·8	409·6	394·7
502·3	461·6	444·6
540·7	498·0	479·8
589·6	544·0	524·0
637·6	588·4	566·8
775·0	717·1	692·5

Cobalt sulphate, $CoSO_4$.

Tammann, *ibid.*:—

Tension of pure H_2O.	Tension of Solution.	
	33·04 W.	63·86 W.
mm.	mm.	mm.
24·7	24·0	22·8
39·4	....	37·1
61·9	59·6	56·4
79·4	76·4	73·2
107·6	104·2	99·7
154·0	150·2	143·6
188·1	182·3	174·9
220·5	213·5	203·8
261·6	253·7	243·0
296·8	288·4	277·3
344·1	333·6	321·7
399·6	388·1	373·8
459·1	444·9	428·8
528·6	512·9	494·6
604·9	587·5	567·9
682·4	665·6	644·2
763·1	743·4	720·7

Copper sulphate, $CuSO_4$.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
102·2	1	81·82 sat.

Brandes and Gruner, Archiv, 22, 169 :—

°	ats.	W.
103·7	1	130·4 sat.

Tammann, W. 24, 557 ; B.r., 18, 313 :—

Tension of pure H_2O.	Tension of Solution.	
	23·16 W.	33·19 W.
mm.	mm.	mm.
76·2	73·9	73·1
112·0	108·8	107·6
122·9	119·5	117·7
176·6	172·4	170·0
177·0	172·9	170·8
207·1	201·7	199·6
234·4	228·9	227·6
275·6	269·1	265·9
323·6	317·1	313·3
361·0	352·3	48·0

Copper sulphate (continued) :—

Tension of pure H_2O.	Tension of Solution.	
	23·16 W.	33·19 W.
mm.	mm.	mm.
408·8	399·6	394·8
463·2	....	449·2
519·5	509·2	503·1
573·1	561·4	555·2
627·9	613·9	607·4
682·6	669·7	661·3
759·5	744·9	736·6

Ferrous sulphate, $FeSO_4$.

Griffiths, Q.J.S. [1825],18, 90 :—

°	ats.	W.
102·2	1	177·78 sat.

Nicol, P.M. [5], 18, 367 ; **48**, 331 :—

°	mm.	
65	165·7, 169·9	sat.
75	259·3, 263·5	„
85	392·7, 394·7	„
95	587·8	„

Tammann, W. 24, 557 ; B.r., 18, 313 :—

Tension of pure H_2O.	Tension of Solution.	
	26·47 W.	58·47 W.
mm.	mm.	mm.
76·2	73·7	70·7
112·0	108·7	104·2
122·9	119·1	114·1
144·6	140·5	134·6
176·6	171·5	165·3
177·0	172·0	165·5
207·1	201·1	193·6
234·4	226·8	219·4
275·6	267·8	259·3
323·6	314·5	304·4
361·0	349·6	339·0
408·8	397·1	385·2
463·2	450·6	437·4
519·5	505·0	489·7
573·1	559·0	541·3
627·9	610·2	593·9
682·6	663·6	645·9
759·5	740·1	719·3

Sulphuric acid, H_2SO_4.

Dalton, New System, 2, 404; cf. Storer, Dict. Sol. 581 :—

B.P.	Sp. gr. at 15°·56.	% SO_3.
°		
103·33	1·10	10
106·66	1·20	20
115·56	1·30	30
126·66	1·408	40
143·33	1·52	50
176·66	1·65	58·6

Sulphuric acid (continued) :—

B.P.	Sp. gr. at 15°·56.	% SO_3.
°		
182·33	1·67	60
186·11	1·684	61
190·0	1·699	62
194·44	1·715	63
199·44	1·73	64
204·44	1·744	65
210·0	1·757	66
216·33	1·769	67
223·89	1·78	68
230·56	1·791	69
237·78	1·801	70
245	1·81	71
252·78	1·819	72
260·56	1·827	73
268·33	1·833	74
276·66	1·838	75
285	1·842	76
293·33	1·845	77
301·66	1·847	78
310	1·848	79
318·33	1·849	80
326·66	1·85	81

Lunge, B 11, 373, 374 :—

B.P.		% H_2SO_4.
°	ats.	
101	1	5
102	„	10
103·5	„	15
105	„	20
106·5	„	25
108	„	30
110	„	35
114	„	40
118·5	„	45
124	„	50
128·5	„	53
133	„	56
141·5	„	60
147	„	62·5
153·5	„	65
161	„	67·5
170	„	70
174·5	„	72
180·5	„	74
189	„	76
199	„	78
207	„	80
218·5	„	82
227	„	84
238·5	„	86
251·5	„	88
262·5	„	90
268	„	91
274·5	„	92
281·5	„	93
288·5	„	94
295	„	95

Sulphuric acid (continued) :—
Regnault, A.C. [3], 15, 179 :—

Temperature.	Tension of H_2SO_4.								
	$+H_2O$	$+2H_2O$	$+3H_2O$	$+4H_2O$	$+5H_2O$	$+7H_2O$	$+9H_2O$	$+11H_2O$	$+17H_2O$
°	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
5	0·105	0·388	0·861	1·294	2·137	3·168	4·120	4·428	5·478
6	0·106	0·409	0·922	1·399	2·296	3·398	4·416	4·787	5·879
7	0·108	0·430	0·985	1·510	2·464	3·643	4·728	5·164	6·300
8	0·110	0·452	1·053	1·628	2·641	3·902	5·059	5·562	6·745
9	0·112	0·476	1·125	1·753	2·829	4·176	5·408	5·980	7·216
10	0·115	0·501	1·200	1·885	3·029	4·466	5·777	6·420	7·712
11	0·118	0·527	1·280	2·025	3·240	4·773	6·166	6·883	8·237
12	0·121	0·556	1·364	2·173	3·463	5·098	6·578	7·371	8·790
13	0·124	0·586	1·454	2·331	3·699	5·443	7·013	7·885	9·374
14	0·127	0·617	1·548	2·498	3·950	5·808	7·473	8·425	9·991
15	0·131	0·651	1·648	2·674	4·215	6·194	7·958	8·995	10·641
16	0·135	0·687	1·753	2·861	4·495	6·603	8·471	9·592	11·329
17	0·139	0·725	1·865	3·059	4·793	7·036	9·014	10·222	12·054
18	0·144	0·765	1·983	3·270	5·107	7·495	9·586	10·885	12·820
19	0·149	0·808	2·108	3·492	5·440	7·980	10·191	11·583	13·628
20	0·154	0·853	2·241	3·728	5·792	8·494	10·831	12·317	14·482
21	0·159	0·901	2·380	3·977	6·166	9·039	11·506	13·090	15·383
22	0·165	0·952	2·528	4·243	6·561	9·615	12·220	13·904	16·334
23	0·171	1·006	2·684	4·523	6·979	10·226	12·974	14·760	17·338
24	0·177	1·064	2·849	4·820	7·422	10·872	13·771	15·661	18·397
25	0·184	1·125	3·024	5·135	7·892	11·557	14·613	16·610	19·516
26	0·191	1·190	3·209	5·469	8·388	12·282	15·503	17·608	20·697
27	0·199	1·258	3·405	5·822	8·914	13·050	16·443	18·659	21·944
28	0·207	1·331	3·611	6·197	9·471	13·862	17·436	19·765	23·260
29	0·216	1·408	3·830	6·594	10·060	14·723	18·485	20·929	24·650
30	0·225	1·490	4·061	7·014	10·684	15·635	19·594	22·154	26·117
31	0·235	1·577	4·305	7·459	11·345	16·600	20·765	23·443	27·666
32	0·245	1·670	4·564	7·933	12·045	17·622	22·003	24·800	29·300
33	0·256	1·767	4·838	8·432	12·785	18·704	23·311	26·228	31·025
34	0·268	1·871	5·127	8·962	13·569	19·850	24·692	27·732	32·847
35	0·280	1·981	5·432	9·524	14·400	21·063	26·152	29·314	34·770

Potassium sulphate, K_2SO_4.

Kremers, P.A. 99, 43 ; v., 608 :—

°	ats.	
103	1	sat.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
101·7	1	21·21 sat.

Penny, P.M. [4], 10, 406 :—

°	ats.	W.
102·8	1	29 sat.

Gerlach, Sp. gw. Salzlösungen, 21 :—

°	ats.	W.
100·3	1	9·9

Potassium sulphate (continued) :—

Brandes and Brunner ; Brandes, Archiv, 22, 147 :—

°	ats.	W.
100·38	1	1
100·63	„	2
100·75	„	3
100·88	„	4
101	„	5
101·12	„	6
101·25	„	7
101·25	„	8
101·38	„	9
101·5	„	10
102·88	„	sat.

Raoult, C.R. 87, 169 ; **36**, 4 :—

°	mm.	W.
100	758·47	1

See also Pauchon, C.R., 89, 754 ; **38**, 211.

Potassium sulphate (continued) :—
Wüllner, P.A. 103, 546 :—

Temperature.	Tension of pure H_2O.	Tension of Solution.		
		1 W.	5 W.	10 W.
°	mm.	mm.	mm.	mm.
28	28·10	27·976	27·51	26·82
32·2	35·76	35·589	34·87	34·08
34·9	41·59	41·392	40·60	39·61
36·7	45·94	45·702	44·75	43·56
39·3	52·79	52·563	51·59	50·59
40·1	55·21	54·972	54·02	52·83
42·7	63·35	63·101	62·17	60·79
45·6	73·74	73·398	72·05	70·27
47·2	79·91	79·554	78·13	76·35
49·5	89·73	89·341	87·85	85·77
51·6	99·59	99·202	97·62	95·74
53·1	107·16	106·739	104·99	103·01
56·0	123·24	122·818	121·16	118·99
57·6	133·06	132·620	130·90	128·62
60·3	150·90	150·413	148·53	145·96
61·5	159·50	158·966	....	154·16
63·4	173·95	173·398	171·19	168·43
65·7	192·93	192·305	189·87	186·62
68·5	220·29	219·547	216·64	212·79

Potassium sulphate (continued) :—

Temperature.	Tension of pure H_2O.	Tension of Solutions. 1 W.	5 W.	10 W.
°	mm.	mm.	mm.	mm.
69·3	226·14	225·436	222·59	219·14
73·5	270·88	270·025	266·54	262·40
76·3	304·66	303·730	300·12	295·29
77·7	322·84	321·795	317·62	312·39
80·4	360·49	359·390	355·08	349·39
81·4	375·34	374·280	370·33	364·44
83·6	403·81	402·516	397·21	391·00
88·5	496·15	494·725	489·35	481·37
89·4	513·56	512·105	505·99	499·30
90·9	543·72	542·230	536·33	528·76
95·1	636·12	634·405	627·73	618·78
100·8	782·08	780·274	773·08	763·98
100·9	785·12	783·280	775·62	767·02

Tammann, W. 24, 533 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 11·92 W.	14·68 W.
mm.	mm.	mm.
183·5	179·9	179·4
203·5	199·6	199·2
243·6	238·6	238·2
275·3	269·9	269·5
298·4	292·4	291·2
344·3	337·5	336·8
377·5	369·8	367·5
432·3	423·0	420·0
488·2	477·8	474·9
553·9	542·7	539·4
605·9	593·1	589·6
677·1	664·1	659·3
771·6	753·3	749·7

Lithium sulphate, Li_2SO_4.

Kremers, P.A. 99, 43 :—

°	ats.	
105	1	sat.

Tammann, W. 24, 548 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 5·20 W.	8·74 W.
mm.	mm.	mm.
187·6	183·9	182·1
258·7	253·5	250·9
305·2	300·5	296·9
325·0	319·9	316·2
360·9	354·8	350·8
416·1	409·3	404·8
476·1	468·6	463·1
531	522·5	515·9
582·5	573·2	566·7

Lithium sulphate (continued) :—

Tension of pure H_2O.	Tension of Solutions. 11·42 W.	14·09 W.
mm.	mm.	mm.
187·6	179·4	177·0
258·7	247·8	245·7
305·2	293·4	290·3
325·0	312·0	309·4
360·9	346·7	343·3
416·1	399·9	396·3
476·1	458·2	453·6
531·0	511·8	505·7
582·5	559·9	555·0

Magnesium sulphate, $MgSO_4$.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
105·5	1	135·52

Tammann, W. 24, 554 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 10·55 W.	22·16 W.
mm.	mm.	mm.
72·3	71·0	69·8
117·2	115·7	113·7
144·4	142·5	140·5
177·2	174·6	171·9
211·2	208·6	204·9
246·0	242·9	239·0
299·7	296·0	292·2
346·5	342·5	337·4
409·8	404·9	399·8
453·3	448·6	442·3
523·2	517·7	—
576·2	569·5	562·0
649·4	640·5	633·9
770·0	760·3	751·4

Magnesium sulphate (continued) :—

Tension of pure H_2O.	Tension of Solutions. 23·67 W.	31·63 W.
mm.	mm.	mm.
72·3	69·4	68·8
117·2	113·4	111·8
144·4	139·8	138·5
177·2	171·7	169·2
211·2	204·4	202·1
246·0	238·7	235·8
299·7	291·7	287·7
346·5	336·8	333·1
409·8	398·5	393·9
453·3	440·6	436·5
523·2	508·2	504·2
576·2	560·7	....
649·4	632·4	626·9
770·0	750·0	743·2

Manganese sulphate, $MnSO_4$.

Brandes, P.A. 20, 575 :—

°	ats.	
102·1	1	sat. (?)

Nicol, P.M. [5], 18, 367 ; 48, 331 :—

°	mm.	
65	167·2	sat.
75	256·5	,,
85	394·7	,,
95	591·8	,,

Tammann, W. 24, 556 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 42·15 W.	85·12 W.
mm.	mm.	mm.
58·9	56·5	51·9
65·9	63·2	57·3
88·9	85·3	78·5
103·6	99·5	91·7
140·9	135·5	127·8
155·3	148·5	138·9
200·0	192·5	180·8
241·0	231·7	217·2
244·1	235·0	220·3
281·9	271·7	255·2
303·7	293·0	275·4
242·7	330·9	311·0
400·5	386·6	367·1
430·1	415·9	393·3
473·0	456·9	436·1
526·9	510·5	485·2
575·5	557·0	529·1
620·0	600·6	572·5
684·6	663·7	639·5
766·4	743·0	720·1

Sodium sulphate, Na_2SO_4.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
100·6	1	45·98 sat.

Kremers, P.A. 99, 43 :—

°	ats.	
105	1	sat.

Sodium sulphate (continued) :—

Gerlach, Sp. gw. Salzlösungen, 104 :—

°	ats.	W.
100·3	1	5·26
100·8	,,	11·1

Löwel, A.C. [3], 49, 32 ; v., 612 :—

°	ats.	
103·7	1	sat.

See also Pouchon, C.R. 89, 759 ; **38**, 211 :—

Brandes and Gruner. Brandes's Archiv [1827], 22, 148 :—

°	ats.	Parts $Na_2SO_4.10H_2O$ to 100 parts water.
100·5	1	1
100·62	,,	2
100·62	,,	3
100·75	,,	4
100·75	,,	5
100·87	,,	6
100·87	,,	7
101	,,	8
101	,,	9
101	,,	10
101·12	,,	11
101·12	,,	12
101·25	,,	13
101·25	,,	14
101·25	,,	15
101·25	,,	16
101·25	,,	17
101·37	,,	18
101·37	,,	19
101·37	,,	20
101·37	,,	21
101·5	,,	22
101·5	,,	23
101·5	,,	24
101·5	,,	25
101·5	,,	26
101·63	,,	27
101·63	,,	28
101·63	,,	29
101·75	,,	30
105·12	,,	sat

Tammann, W. 24, 540 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 13·31 W.	20·22 W.
mm.	mm.	mm.
60·2	58·5	57·0
70·3	68·3	66·4
85·8	83·2	81·3
94·8	91·7	90·0
126·5	122·9	120·4
139·5	135·2	132·4
149·6	145·1	142·3
186·5	180·3	177·0
218·8	211·7	207·8
239·7	232·7	228·1

Sodium sulphate (continued) :—

Tension of pure H_2O.	Tension of Solutions. 13·31 W.	20·22 W.
mm.	mm.	mm.
293·4	284·0	278·7
328·8	319·1	313·5
368·8	357·4	351·2
414·2	400·6	393·3
457·9	444·0	436·1
504·9	489·1	480·8
548·5	531·3	522·2
602·2	585·3	574·8
691·4	669·7	657·8
769·5	744·8	732·2

Sodium sulphate (continued) :—

Tension of pure H_2O.	Tension of Solutions. 37·34 W.	48·84 W.
mm.	mm.	mm.
60·2	54·8	53·7
70·3	63·9	62·5
85·8	77·9	76·0
94·8	86·1	83·8
126·5	115·4	113·0
139·5	127·0	124·4
149·6	136·2	132·9
186·5	169·3	166·0
218·8	198·4	195·0
239·7	218·1	213·7

Sodium sulphate (continued) :—

Tension of pure H_2O.	Tension of Solutions. 37·34 W.	48·84 W.
mm.	mm.	mm.
293·4	266·4	261·6
328·8	299·8	294·0
368·8	335·3	329·1
414·2	376·5	369·4
457·9	416·9	409·4
504·9	460·0	451·3
548·5	500·2	490·2
602·2	550·3	539·4
691·4	630·3	619·3
769·5	702·6	689·7

Wüllner, P.A. 103, 543 :—

Temperature.	Tension of pure H_2O.	Tension of Solutions. 1 W.	5 W.	10 W.	15 W.	20 W.	25 W.
°	mm.	mm.	mm.	mm.	mm.	mm.	mm.
26·3	25·43	25·35	25·03	24·73	24·23	23·83	....
27·9	27·93	27·843	....	27·08	26·58	....	....
28·7	29·57	29·17	28·68	28·19	27·69	27·29	26·90
32·2	35·76	35·65	35·07	34·57	33·98	33·49	32·99
35·7	43·43	43·29	42·69	41·99	41·30	40·71	40·21
39·5	53·46	53·303	52·68	51·89	51·09	50·19	49·50
40·2	54·50	54·345	....	....	52·02	51·53	50·84
42·7	63·35	63·195	62·47	61·67	60·88	60·09	59·25
44·7	70·31	70·112	69·23	68·23	67·33	....	65·49
45·4	72·58	72·377	....	70·50	69·31	68·52	67·73
47·2	79·90	79·684	78·80	77·80	76·90	75·90	75·00
47·6	81·53	81·315	80·35	79·35	78·36	77·27	76·18
49·6	90·18	89·95	....	....	....	85·48	84·54
50·6	93·88	93·639	....	....	90·22	89·13	87·84
52·5	104·01	103·739	102·63	101·14	99·95	98·67	97·28
55·1	118·04	117·715	116·46	114·84	....	111·53	109·89
57·1	129·88	129·571	128·30	126·81	125·22	123·64	122·36
58·4	138·14	137·731	136·66	135·08	133·39	131·91	130·43
60·6	152·61	152·249	150·83	148·99	146·98	145·39	143·81
61·7	160·96	160·54	158·99	156·76	154·57	152·51	....
63·9	177·92	177·49	....	173·38	171·20	169·62	167·54
65·8	193·74	193·231	....	....	185·84	183·66	181·74
67·3	205·13	204·63	202·66	199·98	197·42	195·04	192·68
69·8	231·10	230·547	....	....	222·61	220·04	217·48
72·5	259·57	258·929	256·12	253·15	250·09	246·74	243·77
73·9	275·47	274·849	....	269·26	266·00	263·04	260·08
76·2	303·37	302·672	300·02	296·07	292·69	289·45	286·21
78·7	336·38	335·61	....	....	324·36	320·90	317·45
79·5	347·53	346·724	343·43	339·25	335·31	331·76	327·42
81·1	370·79	369·912	366·49	362·03	357·59	353·15	....
84·0	416·29	415·365	....	406·84	401·81	398·27	393·44
86·5	459·21	458·085	....	447·99	442·18	436·81	430·81
86·8	464·64	463·529	459·14	453·44	447·92	442·50	....
87·1	470·04	468·865	....	459·12	453·70	448·68	443·26
89·9	523·45	522·232	517·35	511·57	504·85	499·05	491·95
91·0	545·78	544·57	....	533·63	527·68	521·68	515·48
93·2	592·82	591·43	585·98	578·47	571·97	564·87	558·31
95·8	657·73	656·205	649·59	642·50	634·73	628·83	619·69
96·5	679·55	678·02	671·75	664·35	....	....	....
100·1	761·40	759·519	....	....	732·70	723·80	714·40
100·2	764·80	762·963	755·27	746·43	736·41	728·25	....
100·6	776·71	774·877	....	758·05	749·21	740·37	731·04

Ammonium sulphate, $(NH_4)_2SO_4$.

Raoult, C.R. 87, 169 ; 36, 4 :—

°	mm.	W.
100	758·25	1

Tammann, W. 24, 545 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 13·93 W.	32·89 W.
mm.	mm.	mm.
35·6	34·6	32·9
48·3	47·1	44·7
58·7	56·5	54·0
66·0	....	60·7
75·8	73·5	70·0
89·2	85·6	81·8
102·0	98·8	93·9
117·4	113·2	107·8
133·6	129·0	122·1
155·3	150·3	142·6
172·6	166·5	158·2
204·3	197·6	187·3
235·8	227·4	216·1
262·6	253·7	241·6
281·2	271·8	258·6
305·3	295·4	281·2
344·4	333·9	316·7
373·1	360·6	343·1
402·0	387·9	370·0
441·3	426·7	407·1
482·7	468·2	445·7
543·5	527·0	501·6
589·6	569·7	543·2
630·0	609·0	580·9
683·9	659·9	630·5
762·3	738·0	704·8

	33·20 W.	40·91 W.
	mm.	mm.
35·6	32·7	32·1
48·3	44·7	43·6
58·7	53·7	52·6
66·0	60·6	59·9
75·8	69·9	68·2
89·2	81·9	79·9
102·0	94·0	91·7
117·4	107·8	105·0
133·6	121·8	118·9
155·3	142·7	139·1
172·6	158·6	155·1
204·3	187·2	183·4
235·8	216·6	211·4
262·6	241·4	236·1
281·2	258·4	253·2
305·3	281·4	274·9
344·4	317·3	309·9
373·1	343·7	336·1
402·0	369·8	362·2
441·3	407·4	398·2
482·7	446·1	436·5
543·5	502·5	491·5

Ammonium sulphate (continued):—

Tension of pure H_2O.	Tension of Solutions. 33·20 W.	40·91 W.
mm.	mm.	mm.
589·6	544·2	531·6
630·0	581·0	568·5
683·9	629·9	617·1
762·3	704·7	691·5

Nickel sulphate, $NiSO_4$.

Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
112·5	1	185·71 sat.

Wüllner, P.A. 110, 578:—

Temperature.	Tension of pure H_2O.	Tension of Solution. 10 W.
°	mm.	mm.
48·69	86·21	84·48
51·70	100·07	98·44
58·63	140·06	137·09
60·80	153·29	150·37
62·28	165·45	162·19
65·64	191·07	187·12
68·45	217·90	213·71
70·60	239·27	235·13
74·38	281·90	277·67
78·80	337·74	332·03
82·63	393·83	386·43
84·80	429·51	421·46
86·50	459·21	450·56
89·93	524·15	514·82
92·20	571·03	560·51
94·65	625·63	614·32
96·85	678·31	666·00
99·30	741·28	728·08
		20 W.
		mm.
48·69	86·21	83·09
51·70	100·07	96·12
55·63	140·06	134·26
60·80	153·29	147·49
62·28	165·45	158·98
65·64	191·07	183·36
68·45	217·90	209·90
70·60	239·27	230·64
74·38	281·90	272·24
78·80	337·74	326·10
82·63	393·83	379·58
84·80	429·51	413·64
86·50	459·21	443·20
89·93	524·15	505·10
92·20	571·03	550·38
94·65	625·63	603·01
96·85	678·31	653·60
99·30	741·28	715·38

Nickel sulphate (continued):—
Tammann, W. 24, 555; B.r. 18, 313:—

Tension of pure H_2O.	Tension of Solution. 31·07 W.	62·17 W.
mm.	mm.	mm.
24·7	24·2	22·6
39·4	38·5	36·6
61·9	60·5	57·3
79·4	77·4	73·4
107·6	105·0	100·4
154·0	151·1	143·2
188·1	182·8	175·6
220·5	213·8	204·5
261·6	254·4	244·9
296·8	288·8	277·9
344·1	334·3	322·2
399·6	388·8	375·2
459·1	446·3	430·9
528·6	514·4	496·5
604·9	588·5	569·4
682·4	665·6	643·4
763·1	742·9	723·1

Zinc sulphate, $ZnSO_4$.

Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
104·4	1	81·81 sat.

Tammann, W. 24, 556; B.r. 18, 313:—

Tension of pure H_2O.	Tension of Solutions. 39·34 W.	84·49 W.
mm.	mm.	mm.
58·9	56·5	53·6
65·9	63·4	59·3
88·9	84·9	79·8
103·6	99·2	93·5
140·9	135·3	127·5
155·3	148·9	140·2
200·0	192·4	182·2
241·0	232·4	220·2
244·1	235·6	223·3
281·9	271·5	258·2
303·7	293·2	278·9
342·7	330·9	315·3
400·5	386·5	368·6
430·1	416·0	396·3
473·0	457·8	436·8
526·9	510·3	488·1
575·5	556·5	531·7
620·0	599·7	574·7
684·6	663·8	636·2
766·4	743·5	714·4

Sodium thiosulphate, $Na_2S_2O_3$.

Tammann, *ibid.*:—

Tension of pure H_2O.	Tension of Solutions. 19·35 W.	32·44 W.
mm.	mm.	mm.
53·2	50·1	48·3
72·6	69·0	66·8
86·6	82·2	79·3
104·5	99·1	95·5
125·5	119·6	115·0
145·5	138·5	133·4
173·9	164·8	158·5
203·1	193·4	186·2
228·4	217·6	208·8
261·9	248·5	240·2
307·9	293·3	282·2
336·4	319·5	309·5
369·5	352·1	338·9
429·4	409·0	394·3
478·0	455·5	439·0
516·7	491·3	474·3
561·3	533·5	514·5
619·6	588·4	567·0
690·0	654·7	630·9
759·2	723·5	697·8
	50·66 W.	76·71 W.
	mm.	mm.
17·2	15·0	12·4
32·7	28·3	24·0
43·4	37·7	32·1
53·2	45·9	39·1
72·6	62·9	54·0
86·6	74·7	65·0
104·5	89·8	77·3
125·5	108·1	93·7
145·5	125·7	109·1
173·9	149·8	129·9
203·1	175·8	153·5
228·4	196·9	172·4
261·9	225·6	197·5
307·9	266·0	233·8
336·4	290·5	255·1
369·5	318·7	280·6
429·4	372·1	328·7
478·0	413·6	365·1
516·7	445·3	394·9
561·3	485·7	429·1
619·6	535·1	473·5
690·0	595·6	527·3
759·2	659·3	585·9

Barium dithionate, BaS_2O_6.

Baker, C.N. 36, 203; **34**, 112:—

°	ats.	
102	1	sat.

Potassium chromate, K_2CrO_4.

Kremers, P.A. 99, 43:—

°	ats.	
107	1	sat.

Raoult, C.R. 87, 169; **36**, 4:—

°	mm.	W.
100	758·38	1

Tammann, W. 24, 533; B.r. 18, 313:—

Tension of pure H_2O.	Tension of Solutions. 25·35 W.	38·04 W.
mm.	mm.	mm.
64·8	61·7	59·7
77·9	73·4	70·8
91·2	86·4	83·4
131·9	124·5	120·4
144·0	137·2	132·2
165·2	157·2	152·0
187·3	177·5	171·6
215·1	204·7	197·5
231·3	219·6	211·9
259·2	246·6	239·1
285·2	270·9	261·9
311·9	296·2	286·8
393·0	372·7	360·8
423·2	402·1	389·5
473·5	....	437·8
484·9	459·8	446·0
516·1	490·9	475·0
558·0	530·3	513·5
600·5	572·2	555·3
645·7	614·6	596·1
754·3	715·5	695·2
	48·9 W.	67·83 W.
	mm.	mm.
64·8	57·1	....
77·9	69·1	....
91·2	81·2	....
131·9	117·2	....
144·0	128·7	....
165·2	147·6	....
187·3	166·5	....
215·1	191·9	....
231·3	206·3	....
259·2	231·3	....
285·2	255·3	....
311·9	279·5	265·3
393·0	350·9	332·9
423·2	377·8	358·3
473·5	424·6	406·1
484·9	434·8	412·9
516·1	461·9	438·8
558·0	499·9	474·8
600·5	540·2	514·1
645·7	580·2	550·5
754·3	675·5	642·4

Potassium dichromate, $K_2Cr_2O_7$.

Kremers, P.A. 92, 499 :—

°	ats.	
104	1	sat.

Alluard, A. 133, 292 ; vi., 453 :—

°	ats.	
103·4	1	sat.

Sodium borate, $Na_2B_4O_7$.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
105·5	1	110·54 sat.

Silver nitrate, $AgNO_3$.

Kremers, P.A. 92, 499 :—

°	ats.	
a. 125	1	sat.

Raoult, C.R. 87, 169 ; **36**, 4 :—

°	mm.	W.
100	758·78	1

Barium nitrate, $Ba(NO_3)_2$.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
101·1	1	36·05 sat.

Kremers, P.A. 99, 43 :—

°	ats.	
102·5	1	sat.

Raoult, C.R. 87, 169 ; **36**, 4 :—

°	mm.	W.
100	758·96	1

Calcium nitrate, $Ca(NO_3)_2$.

Kremers, P.A. 99, 43 :—

°	ats.	
152 p.d.	1	sat.

Berzelius, Lehrbuch :—

°	ats.	W.
151	1	362·8 sat.

Legrand, A.C. [2], 59, 439 ; iii., 89 :—

°	ats.	W.
101	1	15·0
102	"	25·3
103	"	34·4
104	"	42·6
105	"	50·4
106	"	57·8
107	"	64·9
108	"	71·8
109	"	78·6
110	"	85·3
111	"	91·9
112	"	98·4
113	"	104·8
114	"	111·2
115	"	117·5
116	"	123·8

Calcium nitrate (continued) :—

°	ats.	W.
117	"	130·0
118	"	136·1
119	"	142·1
120	"	148·1
122	"	160·1
124	"	172·2
126	"	184·5
128	"	197·0
130	"	209·5
132	"	222·2
134	"	235·1
136	"	248·1
138	"	261·3
140	"	274·7
142	"	288·4
144	"	302·6
146	"	317·4
148	"	333·2
150	"	351·2
151	"	362·2 sat.

Wüllner, P.A. 110, 579 :—

Temperature.	Tension of pure H_2O.	Tension of Solution. 20 W.
°	mm.	mm.
25·0	23·55	22·05
27·62	26·45	24·65
29·8	31·14	29·14
31·8	35·00	32·66
33·6	38·62	36·27
36·0	44·20	41·11
37·43	48·73	45·64
39·75	54·16	50·82
41·0	57·91	54·18
43·2	64·20	59·55
45·7	73·98	69·28
47·5	81·14	76·14
49·4	89·21	83·88
51·2	97·62	91·66
53·4	108·75	102·20
55·65	120·89	113·34
57·45	131·73	123·33
59·4	144·69	135·95
62·8	169·25	159·12
64·22	180·37	169·45
65·1	187·79	176·53
67·6	209·89	196·79
69·4	227·12	212·71

Temperature.	Tension of pure H_2O.	Tension of Solution. 40 W.
°	mm.	mm.
25·0	23·55	20·25
27·62	26·45	22·60
29·8	31·14	26·74
31·8	35·00	30·35
33·6	38·62	33·50
36·0	44·20	38·20
37·43	48·73	42·63
39·75	54·16	47·39
41·0	57·91	50·64

Calcium nitrate (continued) :—

Temperature.	Tension of pure H_2O.	Tension of Solution. 40 W.
°	mm.	mm.
43·2	64·20	55·95
45·7	73·98	64·89
47·5	81·14	71·14
49·4	89·21	78·35
51·2	97·62	85·70
53·4	108·75	95·75
55·65	120·89	105·89
57·45	131·73	115·34
59·4	144·69	127·21
62·8	169·25	149·38
64·22	180·37	159·22
65·1	187·79	165·96
67·6	209·89	184·08
69·4	227·12	199·07

Copper nitrate, $Cu(NO_3)_2$.

Griffiths, Q.J.S. [1825], 18, 91 :—

°	ats.	
173	1	sat.

Nitric acid, HNO_3.

Roscoe, A. 116, 204 ; B. 3, 973 :—

°	mm.	% HNO_3.
70	75	66·7
?	150	67·6
120·5	735	68·0
?	1220	68·6

Storer, Dict. Sol. 374 :—

°	ats.	% N_2O_5.
− 1·11 ?	1	100
+ 37·78 ?	"	82·7
79·44	"	72·5
98·89	"	68·0
115·56	"	58·4
120	"	54·4
119·44	"	51·2
116·66	"	44·3
113·33	"	37·4
111·11	"	32·3
109·44	"	28·5
107·78	"	25·4
106·11	"	23·0
105	"	21·0
104·44	"	19·3
103·89	"	17·8
103·89	"	16·6

Potassium nitrate, KNO_3.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
114·5	1	284·61 sat.

Graham Otto :—

°	ats.	
116	1	sat.

Kremers, P.A. 97, 19 :—

°	ats.	
118	1	sat.

Potassium nitrate (continued) :—

Faraday, Storer Dict. Sol. 390 :—

°	ats.	
115·6	1	sat.

Legrand, A.C. [2], 59, 434 ; iii., 89 :—

°	ats.	W.
101	1	12·2
102	"	26·4
103	"	42·2
104	"	59·6
105	"	78·3
106	"	98·2
107	"	119·0
108	"	140·6
109	"	163·0
110	"	185·9
111	"	209·2
112	"	233·0
113	"	257·6
114	"	283·3
115	"	310·2
115·9	"	335·1 sat.

Guthrie, P.M. [5], 18, 113, 116 :—

°	ats.	W.
101·5	1	25·0
102·83	"	33·3
103·41	"	42·9
104·02	"	53·9
104·5	"	66·7
106·56	"	81·8
107·22	"	100·0
108·85	"	122·2
110·16	"	150·0
110·81	"	185·7
113·0	"	233·3
114·92	"	300·0

Nicol, P.M. [5], 18, 367 ; **48**, 33 :—

°	mm.	
65	152·9	sat.
75	221·0 231·5	"
85	314·7 341·7	"
95	427·1 499·3	"

Raoult, C.R. 87, 169 ; **36**, 4 :—

°	mm.	W.
100	757·87	1

See also Pauchon, C.R. 89, 753 ; **38**, 211.

Tammann, W. 24, 532 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 12·68 W.	41·08 W.
mm.	mm.	mm.
187·0	181·0	174·9
210·1	202·8	195·7
231·5	223·4	215·4
265·3	255·9	247·1
289·3	279·7	270·1

Potassium nitrate (continued) :—

Tension of pure H_2O.	Tension of Solutions. 12·68 W.	41·08 W.
mm.	mm.	mm.
322·6	310·9	300·2
366·4	354·8	342·5
414·5	400·3	386·8
457·1	442·0	427·1
509·5	491·3	474·0
557·6	537·6	518·5
641·5	617·2	597·6
723·8	....	671·1
759·0	....	705·3

Potassium nitrate (continued) :—

Tension of pure H_2O.	Tension of Solutions. 86·03 W.	115·64 W.
mm.	mm.	mm.
187·0	160·0	151·1
210·1	179·4	168·4
231·5	197·4	185·2
265·3	225·7	212·1
289·3	246·0	231·6
322·6	273·2	256·7
366·4	310·6	291·5
414·5	351·1	329·2
457·1	387·1	363·0

Potassium nitrate (continued) :—

Tension of pure H_2O.	Tension of Solutions. 86·03 W.	115·64 W.
mm.	mm.	mm.
509·5	430·0	403·6
557·6	469·3	440·0
641·5	540·0	506·2
723·8	604·3	565·0
759·0	636·3	596·1

Wüllner, P.A. 103, 547 :—

Temperature.	Tension of pure H_2O.	Tension of Solutions. 1 W.	5 W.	10 W.	15 W.	20 W.	25 W.	30 W.
°	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
38·4	50·38	50·28	49·89	49·39	48·90	48·50	48·00	....
42·4	62·33	62·20	61·64	61·04	60·25	59·66	59·06	....
46·7	78·07	77·91	77·18	76·29	75·40	74·70	74·11	....
47·0	79·09	78·92	78·10	77·31	76·61	75·72	74·63	....
50·7	95·29	95·05	94·01	92·82	91·53	90·84	....	....
53·1	107·16	106·92	105·88	104·69	103·40	102·70	101·31	....
53·9	111·41	111·18	110·13	109·15	107·56	107·17	105·78	....
60·9	155·13	154·80	153·25	151·57	149·89	148·61	146·82	....
61·3	158·62	158·24	156·94	155·26	153·28	152·19	150·51	....
61·6	160·06	159·68	158·09	156·11	153·93	152·94	....	....
61·7	160·94	160·58	....	157·38	....	153·58	....	149·97
65·2	188·64	188·21	....	184·10	....	179·68	....	175·99
65·8	193·74	193·30	191·62	189·25	186·83	185·05	182·58	....
65·8	193·74	193·29	191·47	189·20	186·53	185·25	....	....
69·6	229·13	228·61	....	223·60	....	218·86	....	213·43
70·3	234·18	233·65	231·42	228·76	226·13	224·16	221·33	....
70·6	239·45	238·90	236·79	234·32	230·37	....	....	....
72·3	257·37	256·81	254·51	252·04	248·59	246·12	243·46	....
72·7	263·77	263·15	260·42	258·06	253·81	251·63	248·20	....
75·9	299·60	298·99	296·15	293·39	289·05	286·63	282·69	....
76·3	304·64	303·96	300·90	297·93	294·29	291·34	287·78	....
78·6	334·97	334·21	....	327·59	....	....	....	312·12
81·0	369·28	368·47	364·85	361·40	356·18	353·28	349·68	....
81·6	378·36	377·52	374·13	368·91	364·76	362·40	358·17	....
82·6	393·72	392·74	388·80	383·87	378·94	....	....	....
83·0	400·10	399·14	....	390·45	....	....	....	371·33
86·3	455·68	454·68	450·37	445·44	439·73	436·48	431·52	....
87·9	484·81	483·70	....	473·99	....	....	....	451·05
91·4	554·09	552·87	....	542·78	....	....	....	516·61
93·3	595·09	593·71	588·21	581·32	574·64	567·36	560·37	....
94·2	615·29	613·76	....	600·34	....	....	....	566·98
95·3	640·83	639·35	....	626·09	618·22	611·42	....	....
97·0	682·03	680·41	....	665·52	....	....	....	633·78
100·6	776·48	774·33	765·19	755·27	744·27	736·02	....	....
100·8	782·04	779·88	....	760·42	....	....	....	....

Lithium nitrate, $LiNO_3$.

Storer, Dict. Sol. 385 :—

°	ats.	
200	1	sat.

Tammann, W. 24, 548; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 15·92 W.	35·01 W.
mm.	mm.	mm.
33·2	29·2	24·6
49·8	44·6	37·4
78·1	71·0	60·9
94·1	85·7	73·5
120·2	109·9	94·5
146·0	132·6	114·3
174·7	159·3	137·0
205·7	188·0	161·9
271·4	248·2	213·8
310·7	284·7	244·9
361·9	331·3	286·0
391·2	357·8	308·9
479·2	438·2	378·6
571·9	523·1	452·1
777·9	710·3	615·5
	59·06 W.	83·53 W.
	mm.	mm.
33·2	20·2	15·7
49·8	29·6	22·9
78·1	48·3	38·1
94·1	58·3	45·6
120·2	75·4	59·2
146·0	90·8	71·3
174·7	109·3	86·0
205·7	129·2	102·0
271·4	170·8	135·4
310·7	196·0	155·6
361·9	229·3	182·7
391·2	247·3	196·6
479·2	304·1	242·9
571·9	364·6	....
777·9	....	....

Sodium nitrate, $NaNO_3$.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
119	1	150 sat.

Kremers, P.A. 97, 19, 21; iv., 105 :—

°	ats.	
122	1	sat.
123	„	supersat.

Legrand, A.C. [2], 59, 435; iii., 89 :—

°	ats.	W.
101	1	9·3
102	„	18·7
103	„	28·2
104	„	37·9
105	„	47·7
106	„	57·6
107	„	67·7
108	„	77·9
109	„	88·3
110	„	98·8
111	„	109·5

Sodium nitrate (continued) :—

°	ats.	W.
112	1	120·3
113	,,	131·3
114	,,	142·4
115	,,	153·7
116	,,	165·2
117	,,	176·8
118	,,	188·6
119	,,	200·5
120	,,	212·6
121	,,	224·8 sat.

Nicol, P.M. [5], 18, 364 ; **48**, 331 :—

°	mm.	
65	129·9	sat.
75	179·5	,,
85	256·4	,,
95	362·8	,,

Raoult, C.R. 87, 169 ; **36**, 4 :—

°	mm.	W.
100	757·1	1

See also Pauchon, C.R. 89, 753 ; **38**, 211.

Tammann, W. 24, 544 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions. 15·2 W.	26·34 W.
mm.	mm.	mm.
35·0	33·7	32·4
53·4	51·1	48·0
70·2	67·0	63·8
118·7	112·5	108·3
141·7	134·6	129·0
175·7	166·6	159·6
219·9	208·1	199·2
254·0	240·1	230·7
303·9	287·3	275·1
367·9	347·9	333·4
391·7	370·5	355·9
468·4	442·9	424·7
529·1	500·0	480·0
580·1	548·1	525·2
642·3	606·5	581·6
767·3	725·9	694·9

	52·47 W.	91·11 W.
	mm.	mm.
35·0	29·6	25·8
53·4	44·3	39·0
70·2	58·0	51·2
118·7	98·0	86·7
141·7	117·5	103·8
175·7	145·9	128·7
219·9	182·0	159·8
254·0	209·9	187·3
303·9	250·3	219·8
367·9	303·7	267·1
391·7	323·2	283·4
468·4	385·5	338·3
529·1	436·0	383·3
580·1	477·6	418·9
642·3	528·0	464·0
767·3	632·3	556·3

Sodium nitrate (continued) :—

Wüllner, P.A. 103, 544 :—

Temperature.	Tension of pure H_2O.	Tension of Solutions. 1 W.	10 W.	20 W.	30 W.
°	mm.	mm.	mm.	mm.	mm.
23·1	21·01	20·955	20·51	19·82	19·42
27·1	26·66	26·597	26·06	25·32	24·77
29·1	29·95	29·873	29·16	28·41	27·62
31·5	34·36	34·256	33·27	32·28	31·28
37·5	48·25	48·106	46·86	45·37	43·88
39·4	53·14	52·979	51·46	49·87	48·38
41·5	59·48	59·298	57·69	55·76	54·03
44·0	67·79	67·570	65·66	63·33	61·22
47·3	80·33	80·051	77·56	74·74	71·96
49·1	87·93	87·649	85·25	82·28	79·41
51·5	99·10	98·771	95·83	92·57	89·20
55·1	118·04	117·649	114·19	110·26	106·24
56·5	126·24	125·829	122·18	117·93	113·92
58·5	138·76	138·321	134·40	130·06	125·50
62·5	166·98	166·387	160·85	154·92	149·58
64·5	182·12	181·473	175·60	169·08	162·85
65·6	201·07	200·385	194·30	187·34	180·42
68·9	222·29	221·525	214·69	206·79	199·48
70·5	238·24	237·375	229·56	220·97	212·28
72·5	260·60	259·717	251·72	242·83	234·24
75·4	293·00	291·944	281·76	271·69	261·82
78·7	336·33	335·154	324·41	312·57	301·42
81·5	376·85	375·480	363·05	349·15	336·15
83·4	406·57	405·063	391·50	376·24	361·55
86·0	450·34	449·694	433·80	417·35	401·11
88·7	499·98	499·184	481·38	463·96	446·83
92·6	579·67	577·593	559·21	537·77	517·41
94·9	631·44	629·237	609·34	586·74	566·06
100·3	768·20	765·524	740·92	714·00	689·13

Ammonium nitrate $(NH_4)NO_3$.

Griffiths, Q.J.S. [1825], 18, 91 :—

°	ats.	
182	1	sat.

Raoult, C.R. 87, 169 ; **36**, 4 :—

°	mm.	W.
100	757·26	1

Legrand, A.C. [2], 59, 435 :—

°	ats.	W.
101	1	10
102	,,	20·5
103	,,	31·3
104	,,	42·4
105	,,	53·8
106	,,	65·4
107	,,	77·3
108	,,	89·4
109	,,	101·9
110	,,	114·9
111	,,	128·4
112	,,	142·4
113	,,	156·9
114	,,	172·0
115	,,	188·0
116	,,	204·4
117	,,	221·4
118	,,	238·8

Ammonium nitrate (continued) :—

°	ats.	W.
119	1	256·8
120	,,	275·3
122	,,	314·0
124	,,	354·0
126	,,	396·0
128	,,	440·2
130	,,	487·4
132	,,	537·3
134	,,	590·0
136	,,	645·0
138	,,	705·5
140	,,	770·5
142	,,	840·6
144	,,	915·5
146	,,	995·5
148	,,	1081·5
150	,,	1173·5
152	,,	1273
154	,,	1383
156	,,	1504
158	,,	1637
160	,,	1775
162	,,	1923
164	,,	2084
180	,,	∞

Lead nitrate, $Pb(NO_3)_2$.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
102·2	1	110·53 sat.

Kremers, P.A. 92, 499 :—

°	ats.	
103·5	1	sat.

Raoult, C.R. 87, 169 ; **36**, 4 :—

°	mm.	W.
100	759·16	1

Strontium nitrate, $Sr(NO_3)_2$.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
106·5	1	112·98 sat.

Kremers, P.A. 92, 499 ; 99, 43 :—

°	ats.	
107·5	1	sat.
108·0	,,	,,

Potassium carbonate, K_2CO_3.

Poggiale, A.C. [3], 8, 468 :—

°	ats.	
135	1	sat.

Gerlach, Sp. gw. Salzlösungen :—

°	ats.	W.
100·8	1	11·1
102·2	,,	25·0
104·5	,,	42·9
108·6	,,	66·6
115·2	,,	100·0

Dalton, New System, 2, 481 :—

°	ats.	W.
100·56	1	4·93
100·56	,,	9·89
101·11	,,	15·21
101·11	,,	20·19
101·66	,,	25·78
102·22	,,	31·58
102·78	,,	37·55
103·33	,,	43·88
104·44	,,	50·60
105·56	,,	56·74
107·22	,,	63·93
108·33	,,	71·53
109·44	,,	76·36
111·11	,,	84·50
112·78	,,	95·31
114·44	,,	108·8
116·11	,,	127·3
117·78	,,	152·5
119·44	,,	190·7
122·22	,,	254·6
125·56	,,	380·8
129·44	,,	762·1
137·78	,,	∞

Potassium carbonate (continued) :—
Legrand, A.C. [2], 59, 438; iii., 89 :—

°	ats.	W.
101	1	13
102	„	22·5
103	„	31·0
104	„	38·8
105	„	46·1
106	„	53·1
107	„	59·6
108	„	65·9
109	„	71·9
110	„	77·6
111	„	83·0
112	„	88·2
113	„	93·2
114	„	98·0
115	„	102·8
116	„	107·5
117	„	112·3
118	„	117·1
119	„	122·0
120	„	127·0
121	„	132·0
122	„	137·0
123	„	142·0
124	„	147·1
125	„	152·2
126	„	157·3
127	„	162·5
128	„	167·7
129	„	172·9
130	„	178·1
131	„	183·4
132	„	188·8
133	„	194·2
134	„	199·6
135	„	205·0 sat.

Nicol, P.M. [5], 18, 367 ; **48**, 331 :—

°	mm.	
75	123·5	sat.
85	172·7	„
95	244·8	„

Tammann, W. 24, 534 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions.	
	24·43 W.	48·7 W.
mm.	mm.	mm.
18·1	16·8	15·1
27·5	25·7	22·9
35·3	32·8	29·3
49·7	45·7	41·2
57·9	52·6	47·6
71·9	65·9	59·2
91·2	83·8	75·9
102·0	93·6	84·8
115·2	105·8	95·2
130·2	119·9	108·2
145·0	133·8	120·8
165·0	153·0	138·2
188·0	174·6	157·6
217·8	201·8	182·9

Potassium carbonate (continued) :—

Tension of pure H_2O.	Tension of Solutions.	
	24·43 W.	48·7 W.
mm.	mm.	mm.
234·1	217·2	196·2
264·3	244·5	221·3
280·3	259·7	235·0
305·4	282·9	255·5
326·2	302·5	273·9
363·9	338·0	306·4
398·6	370·4	336·2
429·8	399·7	362·8
477·9	444·7	403·6
511·8	476·5	432·8
559·8	521·0	473·2
628·7	585·2	532·2
756·2	....	638·1
	85·9 W.	136·3 W.
	mm.	mm.
18·1	11·8	8·6
27·5	17·7	12·9
35·3	23·0	16·6
49·7	33·0	23·4
57·9	38·3	27·6
71·9	47·9	34·7
91·2	61·0	44·3
102·0	68·6	49·9
115·2	77·6	56·6
130·2	88·3	64·3
145·0	98·4	72·7
165·0	112·5	82·9
188·0	128·5	95·4
217·8	149·6	111·2
234·1	161·0	120·4
264·3	181·8	136·0
280·3	193·6	145·3
305·4	210·8	158·2
326·2	226·0	169·9
363·9	252·9	190·9
398·6	278·8	211·2
429·8	301·7	229·6
477·9	335·4	256·5
511·8	359·5	....
559·8	393·2	....
628·7	443·8	....
756·2	536·1	....

Lithium carbonate, Li_2CO_3.
Kremers, P.A. 92, 499 ; 99, 43, 48 ; J. [1856], 294 :—

°	ats.	W.
100	1	0·66 sat.
102	„	0·78

Sodium carbonate, Na_2CO_3.
Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	
104·4	1	sat.

Sodium carbonate (continued) :—
Gerlach, Sp. gw. Salzlösungen, 108 :—

°	ats.	W.
100·5	1	5·26
101·1	„	11·1
101·8	„	17·6

Kremers, P.A. 99, 43 :—

°	ats.	
106	1	sat.

Payen, A.C. [3], 43, 233 :—

°	ats.	
104	1	sat.

Poggiale, A.C. [3], 8, 468 :—

°	ats.	W.
104·6	1	48·5 sat.

Dalton, New System, 2, 501 :—

°	ats.	W.
101·11	1	19·6
102·78	„	29·4
104·44	„	40·45

Legrand, A.C. [2], 59, 433 ; iii., 89 :—

°	ats.	W.
100·5	1	7·5
101	„	14·4
101·5	„	20·8
102	„	26·7
102·5	„	32·0
103	„	36·8
103·5	„	41·0
104	„	44·7
104·5	„	47·9
104·63	„	48·5

Nicol, P.M. [5], 18, 367 ; **48**, 331 :—

°	mm.	
65	154·9	sat.
75	239·5	„
85	364·4	„
95	536·8	„

Tammann, W. 24, 541 ; B.r. 18, 313 :—

Tension of pure H_2O.	Tension of Solutions.	
	10·16 W.	21·86 W.
mm.	mm.	mm.
29·5	28·1	26·9
39·1	37·4	36·1
49·2	47·3	45·5
55·9	54·1	51·3
70·9	68·7	65·3
88·1	84·7	81·2
103·9	100·2	95·9
121·7	118·1	112·2
140·7	135·8	130·0
156·9	151·3	144·7
175·6	170·3	162·2
196·8	190·8	182·6
226·8	219·0	209·6
258·4	249·8	238·8
286·3	276·2	264·2
325·5	314·5	300·7
360·7	348·4	333·6

Sodium carbonate (continued) :—

Tension of pure H_2O.	Tension of Solutions.	
	10·16 W.	21·86 W.
mm.	mm.	mm.
398·9	385·8	369·3
450·3	435·5	416·8
510·3	491·5	471·5
580·7	560·9	537·0
669·2	645·6	619·3
762·1	733·7	704·6
	27·73 W.	34·76 W.
	mm.	mm.
29·5	26·3	25·3
39·1	35·0	33·8
49·2	43·8	42·1
55·9	49·7	48·0
70·9	63·4	60·7
88·1	79·1	75·8
103·9	93·3	89·7
121·7	109·1	105·6
140·7	126·0	122·3
156·9	140·7	135·4
175·6	157·7	153·3
196·8	177·5	171·5
226·8	203·6	197·3
258·4	232·4	225·6
286·3	257·3	249·7
325·5	292·7	284·5
360·7	324·8	315·8
398·9	358·9	349·2
450·3	406·2	395·2
510·3	459·7	445·9
580·7	522·4	509·1
669·2	604·4	589·9
762·1	689·5	671·1

Potassium aluminium sulphate (Alum), $AlK(SO_4)_2$.
Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	W.
104·4	1	108·33 sat.

Copper potassium sulphate, $CuK_2(SO_4)_2$.
Griffiths, *ibid.* :—

°	ats.	W.
102·8	1	66·67 sat.

Hydrogen potassium sulphate, $HKSO_4$.
Griffiths, *ibid.* :—

°	ats.	
105·5	1	sat.

Kremers, P.A. 92, 499 :—

°	ats.	
108	1	sat.

Hydrogen disodium phosphate, NaH_2PO_4.

Griffiths, Q.J.S. [1825], 18, 90 :—

°	ats.	
105·5	1	sat.

Legrand, A.C. [2], 59, 433 ; iii., 89 :—

°	ats.	W.
100·5	1	11·0
101	„	21·0
101·5	„	31·0
102	„	40·8
102·5	„	50·3
103	„	59·4
103·5	„	68·1
104	„	76·4
104·5	„	84·2
105	„	91·5
105·5	„	98·4
106	„	105·0
106·5	„	111·4
106·6	„	112·6

Benzene (and Water), C_6H_6.

°	mm.	
10·10	54·92	Regnault, P.M. [4], 9, 18 ; C.R. [1854].
10·53	56·03	
12·38	61·93	
15·26	72·34	
18·01	83·00	
19·88	91·49	
22·53	104·28	

Carbon hexachloride (and Water), C_2Cl_6.

°	mm.	
7·79	63·49	Regnault, *ibid.*
11·39	75·37	
16·75	97·25	
20·49	115·69	
25·66	146·58	
29·12	170·77	
34·42	214·67	
38·59	256·42	
44·59	328·38	

Carbon disulphide (and Water), CS_2.

°	mm.	
8·85	196·81	Regnault, *ibid.*
12·07	225·93	
14·10	247·43	
18·85	299·52	
22·43	347·17	
26·87	412·28	
31·80	498·74	
38·35	634·60	

Formic acid, CH_2O_2.

Roscoe, B. 3, 974 ; A. 116, 204 :—

°	mm.	W.
107·1	760	344
124·1	1350	400
134·6	1830	495

Formic acid (continued) :—

Konovaloff, W. 14, 45 ; **40**, 1093 :—

°	mm.	W.
18·9	15·3	29·3
42·35	58·0	„
61·35	147·4	„
80·8	343·6	„
100·0	719·8	„
16·95	11·7	100·1
31·8	29·1	„
42·9	51·7	„
54·9	102·7	„
70·1	166·9	„
80·95	309·4	„
90·7	457·85	„
99·65	644·0	„
18·0	14·5	394·5
42·15	54·5	„
61·05	130·5	„
59·9	123·3	„
80·7	290·9	„
80·8	292·1	„
99·8	590·7	„

Melts at 7°.

Methylalcohol, CH_4O.

Konovaloff, W. 14, 40 ; **40**, 1093 :—

°	mm.	W.
17·25	30·15	32·5
29·9	62·6	„
43·2	126·2	„
53·6	207·25	„
64·9	345·7	„
84·25	750·8	„
17·0	44·5	97·1
29·9	90·6	„
43·3	177·3	„
53·5	284·0	„
65·5	479·9	„
76·7	747·6	„
12·55	39·8	175·4
29·75	104·2	„
43·7	206·2	„
54·0	330·2	„
65·7	543·45	„
18·65	63·7	261·0
29·25	112·8	„
43·2	224·6	„
53·5	357·8	„
65·5	591·7	„
71·15	747·7	„

Oxalic acid, $C_2H_2O_4$.

Griffiths, Q.J.S. [1825], 18, 91 :—

	ats.	
112 and rises to 121 sb.	1	sat.

Acetic acid, $C_2H_4O_2$.

Konovaloff, W. 14, 34 ; **40**, 1093 :—

°	mm.	W.
16·65	13·35	22·2
49·85	87·7	„

Acetic acid (continued) :—

°	mm.	W.
80·55	352·5	22·2
100·0	750·2	„
16·45	12·5	100·4
49·95	85·0	„
80·2	335·6	„
100·0	724·0	„
16·0	11·8	405·5
49·85	78·2	„
80·0	300·7	„
100·05	645·7	„

Melts at 16°.

Ethylalcohol, C_2H_6O.

Grœning, Brand's Archiv, 6, 200 :—

Temp. of vapour.	% by vol. of alcohol. In still.	In distillate.
°		
77·2	92	93
77·5	90	92
77·81	85	91
78·12	80	90·5
78·75	75	90
79·38	70	89
80	65	87
81·25	50	85
82·5	40	82
83·75	35	80
85	30	78
86·25	25	76
87·5	20	71
88·75	18	68
90	15	66
91·25	12	61
92·50	10	55
93·75	7	50
95	5	42
96·25	3	36
97·5	2	28
98·75	1	13

Storer, Dict. Sol. 23 :—

°	mm.	% absolute alcohol of sp. gr. 0·791 at 20°.
75·72	720	94
75·74	„	95
75·68	„	96
75·60	„	97
75·60	„	98
75·65	„	99
75·78	„	100

Ure, Dict. of Arts, Boston, 1853, quoted from P.J. 7, 166 :—

Boils.	ats.	Sp. gr. of alcohol at 15°·56.
°		
81·44	1	·9200
82·08	„	·9821

Ethylalcohol (continued) :—

Boils.	ats.	Sp. gr. of alcohol at 15°·56.
°		
82·44	1	·9420
83·33	„	·9516
84·11	„	·9600
85·33	„	·9665
87·22	„	·9729
88·78	„	·9786
91·33	„	·9850
94·44	„	·9920

Casoria, J. Chim. Méd. [1846], 467; cited by Pohl, and by Storer :—

Boils.	ats.	Sp. gr.
°		
75·8	1	·7939
75·5	„	·8034
75·8	„	·8118
76·1	„	·8194
78	„	·8265
78·6	„	·8332
79·4	„	·8397
80·5	„	·8458
81·7	„	·8518
82·8	„	·8630
84	„	·8765
86·1	„	·8875
87·8	„	·8892
90	„	·9013
91·7	„	·9126
92·8	„	·9234
94	„	·9335

Pohl, W. A. [1851], 2, 12 :—

Boils.	ats.	Sp. gr. at 15°; sp. gr. of H_2O at 15°=1.
°		
90·27	1	·9814
90·83	„	·9827
91·4	„	·9840
92·03	„	·9854
92·7	„	·9868
93·43	„	·9883
94·21	„	·9898
95·02	„	·9913
95·9	„	·9930
96·85	„	·9947
97·82	„	·9964
98·79	„	·9982

Konovaloff, W. 14, 34 ; **40**, 1093 :—

°	mm.	W.
17·4	35·9	599·3
40·7	133·3	„
60·45	346·35	„
70·2	532·5	„
79·65	782·9	„
79·95	789·5	„
18·1	34·2	213·0

Ethylalcohol (continued) :—

°	mm.	W.
40·45	123·0	213·0
60·65	327·8	"
70·35	509·7	"
80·5	768·7	"
15·3	27·4	101·6
15·5	27·7	"
40·6	117·5	"
59·65	295·7	"
60·05	301·4	"
70·15	470·7	"
70·3	473·4	"
80·5	720·0	"
80·55	720·9	"
21·15	85·1	49·5
40·9	107·1	"
60·45	281·6	"
70·4	436·7	"
80·25	654·0	"

Propionic acid, $C_3H_6O_2$.
Konovaloff, *ibid.*:—

°	mm.	W.
16·85	14·1	33·2
46·85	76·6	"
62·9	167·7	"
81·25	370·8	"
99·25	746·9	"
15·95	12·8	97·5
46·35	73·2	"
64·0	173·8	"
70·2	229·5	"
81·5	379·3	"
90·0	528·6	"
99·5	739·6	"
17·3	13·7	311·2
46·7	69·6	"
63·4	151·4	"
81·45	336·7	"
99·6	676·3	"
139·0	741·5	pure acid

Propyl alcohol, C_3H_8O.
Konovaloff, *ibid.*:—

°	mm.	W.
17·65	20·8	6·6
40·3	79·4	"
51	138·7	"
59·8	214·2	"
69·35	334·1	"
80·85	540·3	"
88·5	740·4	"
16·25	19·0	27·8
32·6	51·2	"
42·9	91·2	"
51·45	144·2	"
52·1	149·0	"
61·4	235·1	"
70·55	357·2	"
80·75	547·5	"
88·6	747·0	"
16·25	19·2	56·0

Propyl alcohol (continued) :—

°	mm.	W.
33·0	54·6	56·0
42·35	91·8	"
50·65	141·75	"
60·5	231·5	"
70·9	368·8	"
80·3	546·0	"
88·0	745·3	"
19·65	24·5	111·8
32·35	52·9	"
40·15	82·6	"
51·55	149·8	"
60·95	237·5	"
71·4	382·8	"
81·4	579·8	"
87·7	749·9	"
19·4	25·1	164·9
33·0	56·8	"
42·7	94·8	"
51·05	148·7	"
60·5	234·8	"
71·43	384·1	"
81·4	586·0	"
87·6	749·0	"
19·4	19·4	792·9
32·55	42·7	"
42·2	74·1	"
51·2	119·2	"
61·35	195·0	"
70·85	295·5	"
80·65	455·8	"
89·4	649·6	"
90·55	751·2	"

Glycerol, $C_3H_8O_3$.
Gerlach, C.C. [1884], 884; Jour. Chem. Ind. 7, 277; B.r. 17, 523; **48**, 499 :—

°	mm.	% glycerol.
100·9	760	10
101·8	"	20
102·8	"	30
104	"	40
106	"	50
109	"	60
113·3	"	70
121	"	80
138	"	90
164	"	95
290	"	100

Tartaric acid, $C_4H_6O_6$.
Gerlach, Sp. gw. Salzlösungen, 111 :—

°	ats.	W.
102·2	1	33·3
106·7	"	100·0

Butyric acid, $C_4H_8O_2$.
Konovaloff, W.A. 14, 45; **40**, 1093 :—

°	mm.	W.
18·3	15·15	34·2
49·85	90·4	"
80·5	364·9	"
99·7	766·4	"
15·0	14·2	100
31·25	35·6	"
42·75	65·5	"
52·25	109·4	"
60·35	152·3	"
70·3	237·3	"
79·6	350·8	"
99·0	741·1	"
19·45	16·4	234·4
50·2	90·8	"
80·45	351·3	"
100·0	740·8	"
163	748·1	pure acid

Diethyl oxide, $C_4H_{10}O$.
Regnault, C.R. 39, 401; P.M. [4], 9, 19 :—

°	Tension of pure water.	Tension of mixture.
15·56	13·16	362·95
20·40	17·83	440·32
24·21	25·30	510·08
26·73	26·09	562·79
27·99	27·58	589·38
33·08	28·08	710·02

Isobutyl alcohol, $C_4H_{10}O$.
Konovaloff, W. 14, 43; 40, 1093 :—

°	mm.	W.
16·9	17·6	1580
40·3	65·5	"
59·9	176·5	"
71·4	299·9	"
81·5	457·6	"

Isobutyl alcohol (continued) :—

°	mm.	W.
95·1	784·0	1580
18·1	18·9	6·5
40·3	71·7	"
59·4	193·9	"
70·9	331·3	"
81·55	516·15	"
91·0	746·05	"
12·1	14·3	Water and alcohol mixed in such proportion as to form two layers, whilst in the previous series the mixture formed a clear homogeneous liquid.
41·65	82·2	
46·8	107·9	
59·9	207·6	
71·4	355·6	
71·5	356·15	
80·85	530·8	
81·2	537·4	
81·6	550·0	
88·55	722·4	
88·75	728·3	
89·1	738·6	

°	mm.	
16·65	19·0	Water saturated with the alcohol at 40°.
40·8	78·8	
59·9	207·0	
71·78	360·5	
81·6	548·0	
89·0	731·6	
97·2	991·9	

Citric acid, $C_6H_8O_7$.
Gerlach, Sp. gw. Salzlösungen, 111 :—

°	ats.	W.
101·8	1	30·4
105·8	"	91·4

Camphoric acid, $C_{10}H_{16}O_4$.
Brandes, Sch. J. 38, 276 :—

°	ats.	W.
96·25	1	12 sat.

Sugar, $C_{12}H_{22}O_{11}$.
Wüllner, P.A. 103, 548 :—

Temperature.	Tension of pure H_2O.	Tension of Solutions. 1 W.	50 W.	100 W.	150 W.
°	mm.	mm.	mm.	mm.	mm.
29·2	30·13	30·103	28·64	27·45	26·16
34·9	41·59	41·552	39·71	37·82	36·03
39·3	52·89	52·850	90·81	88·92	86·74
40·1	55·20	55·154	52·82	50·54	48·35
42·7	63·35	63·303	61·07	58·59	56·16
44·2	69·59	69·532	66·92	64·14	61·36
47·2	79·91	79·848	76·94	73·67	70·50
51·6	99·58	99·505	95·72	92·35	88·29
53·8	110·88	110·808	....	103·66	99·89
56·0	123·24	123·141	118·20	113·49	108·20
61·5	159·50	159·379	153·57	147·54	141·01
66·8	202·60	202·457	195·59	188·67	181·06
69·3	226·14	225·978	217·95	210·34	201·26
73·1	266·29	266·115	257·31	249·30	239·62

Sugar (continued):—

Temperature.	Tension of pure H_2O.	Tension of Solutions. 1 W.	50 W.	100 W.	150 W.
°	mm.	mm.	mm.	mm.	mm.
77·7	322·84	322·621	311·48	300·86	290·40
80·4	360·49	360·244	348·64	336·44	322·64
81·4	375·34	375·100	363·60	350·84	339·44
83·6	409·81	409·540	396·51	382·91	369·03
88·5	496·15	495·837	....	464·95	449·20
90·9	543·72	....	527·29	509·58	491·87
95·1	636·12	....	....	596·92	575·66
96·7	674·60	....	653·48	630·87	606·29
100·9	784·83	....	761·07	735·04	704·98

Ammonium oxalate,
$(NH_4)_2C_2O_4$.
Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
103·3	1	40·83 sat.

Copper acetate, $Cu(C_2H_3O_2)_2$.
Griffiths, *ibid.*:—

°	ats.	W.
101·1	1	19·80 sat.

Mercuric cyanide, $Hg(CN)_2$.
Griffiths, *ibid.*:—

°	ats.	W.
101·1	1	53·85 sat.

Raoult, C.R. 87, 169; **36**, 4:—

°	mm.	W.
100	759·34	1

Potassium cyanide, KCN.
Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
103·3	1	122·2 sat.

Potassium acetate, $KC_2H_3O_2$.
Legrand, A.C. [2], 59, 440; iii., 89:—

°	ats.	W.
101	1	10·5
102	„	20·5
103	„	28·6
104	„	36·4
105	„	43·4
106	„	49·8
107	„	55·8
108	„	61·6
109	„	67·4
110	„	73·3
111	„	79·3
112	„	85·3
113	„	91·4
114	„	97·6
115	„	103·9
116	„	110·3
117	„	116·8
118	„	123·4
119	„	130·1

Potassium acetate (continued):—

°	ats.	W.
120	1	136·9
121	„	143·8
122	„	150·8
123	„	157·9
124	„	165·1
125	„	172·5
126	„	180·1
127	„	188·0
128	„	196·1
129	„	204·4
130	„	213·0
132	„	230·6
134	„	248·7
136	„	267·5
138	„	287·3
140	„	308·3
142	„	330·8
144	„	354·9
146	„	380·6
148	„	407·9
150	„	436·9
152	„	467·6
154	„	500·0
156	„	534·1
158	„	569·9
160	„	607·4
162	„	646·6
164	„	687·6
166	„	730·4
168	„	775·0
169	„	798·2 sat.

Dipotassium tartrate,
$K_2C_4H_4O_6$.
Berzelius, Lehrb., 3, 168:—

°	ats.	W.
114·7	1	296·2 sat.

Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
112·2	1	212·5 sat.

Faraday; Storer, Dict. Sol. 683:—

°	ats.	
116·7	1	sat.

Dipotassium tartrate (cont.):—
Legrand, A.C. [2], 59, 438; iii., 89:—

°	ats.	W.
101	1	26·9
102	„	47·2
103	„	65·0
104	„	82·3
105	„	100·1
106	„	118·5
107	„	137·3
108	„	156·5
109	„	176·1
110	„	196·2
111	„	216·8
112	„	237·9
113	„	259·5
114	„	281·6
114·67	„	296·2 sat.

Hydrogen potassium tartrate,
$KHC_4H_4O_6$.
Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
101·1	1	10·497 sat.

Potassium sodium tartrate,
$KNaC_4H_4O_6$.
Griffiths, *ibid.*:—

°	ats.	W.
115·5	1	900 sat.

Potassium oxalate, $K_2C_2O_4$.
Griffiths, *ibid.*:—

°	ats.	W.
104·4	1	66·67 sat.

Potassium thiocyanate, KCNS.
Tammann, W. 24, 530; B.r. 18, 313:—

Tension of pure H_2O.	Tension of Solutions. 20·48 W.	45·09 W.
mm.	mm.	mm.
48·7	46·1	42·5
63·7	59·9	55·0
89·6	84·0	76·5
112·1	104·9	95·4
130·0	121·3	110·5
151·8	142·2	129·5
190·9	179·5	162·8
218·1	204·5	185·6
256·7	240·6	218·2
305·1	285·1	259·0
391·6	365·0	331·2
488·1	454·4	412·2
554·4	517·0	469·0
780·3	724·8	660·7

	51·38 W.	81·53 W.
47·8	41·5	37·5
63·7	53·7	48·4
89·6	75·3	67·0

Potassium thiocyanate (cont.):—

Tension of pure H_2O.	Tension of Solutions. 51·38 W.	81·53 W.
mm.	mm.	mm.
112·1	93·1	83·8
130·0	107·7	96·7
151·8	126·3	112·9
190·9	158·6	141·2
218·1	181·0	160·9
256·7	212·8	188·7
305·1	253·2	224·6
391·6	323·3	286·2
488·1	402·1	355·9
554·4	457·3	404·2
780·3	639·7	—

Potassium ferricyanide,
$K_3Fe(CN)_6$.
Wallace, **7**, 80:—

°	ats.	W.
104·4	1	82·6 sat.

Raoult, C.R. 87, 169; **36**, 4:—

°	mm.	W.
100	758·75	1

Sodium acetate, $NaC_2H_3O_2$.
Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
124·4	1	150 sat.

Brandes; Brandes, Archiv, 22, 147:—

°	ats.	W.
100·18	1	1·20
100·2	„	1·51
100·3	„	2·01
100·4	„	3·01
100·8	„	6·03
101·7	„	12·06
103·6	„	30·15

Legrand, A.C. [2], 59, 439; iii., 89:—

°	ats.	W.
101	1	9·9
102	„	17·6
103	„	24·1
104	„	30·5
105	„	36·7
106	„	42·9
107	„	49·3
108	„	55·8
109	„	64·2
110	„	69·2
111	„	76·2
112	„	83·4
113	„	90·9
114	„	98·8
115	„	107·1
116	„	115·8
117	„	125·1
118	„	134·9
119	„	145·2

Sodium acetate (continued):—

°	ats.	W.
120	1	156·1
121	,,	167·4
122	,,	179·3
123	,,	191·6
124	,,	204·5
124·37	,,	209 sat.

Lead acetate, $Pb(C_2H_3O_2)_2$.

Griffiths, Q.J.S. [1825], 18, 90:—

°	ats.	W.
101·7	1	70·94 sat.

Miscellaneous.

Guthrie, P.M. [5], 2, 221; 31, 6:—

Gum arabic .... 20 %, boils 100°
Gelatine.... .... 20 %, ,, 99·9
,, ... 45 %, ,, 97·5
,, ... 50 %, ,, 97·5
20 % Gelatine + 20 % Gum arabic + 60 % H_2O boils 97°·7.
Albumen decomposes.

B.—VAPOUR TENSIONS OF SOLUTIONS OTHER THAN THOSE IN WATER.

Mixtures of carbonic and hydrochloric acids.

°	ats.	% CO_2.
0	27·84	17·18
15	40·66	,,
27	54·22	,,
37·5	70·28	,,
46	82·26	,,
47·2 c.t.	92·21	,,
0	28·86	19·37
13·8	39·86	,,
25·5	52·77	,,
38·0	67·36	,,
44·0	76·23	,,
45·5 c.t.	80·52	,,
0	33·17	25·48
16·3	50·09	,,
25·4	63·98	,,
34·0	77·02	,,
43·2	90·03	,,
45·1 c.t.	....	,,
0	31·89	42·44
19·0	51·93	,,
25·6	60·46	,,
39·5 c.t.	80·28	,,
0	32·72	45·67
17·5	50·73	,,
26·6	63·31	,,
35·0	76·64	,,
37·6	79·14	,,
38·0 c.t.	81·35	,,
0	34·56	74·18
18·8	55·79	,,
25·5	65·68	,,
33·5 c.t.	77·69	,,
0	34·65	82·14
18·8	56·44	,,
24·9	67·27	,,
32·4 c.t.	77·23	,,

Ansdell, P.R. 34, 116.

Mixtures of ethyl bromide and ethyl iodide.

Guthrie, P.M. [5], 18, 517:—

°	mm.	% ethyl bromide.
16·7	163·2	0
,,	214·8	10
,,	246·9	20
16·7	276·4	30
,,	306·4	40
,,	332·3	50
,,	360·9	60
,,	380·4	70
,,	405·2	80
,,	428·2	90
,,	452·2	100

Solution of sulphur in carbon disulphide.

Cossa, B. 1, 139; vi., 1061:—

°	ats.	W.
55	1	181·34 sat.

Mixtures of carbon hexachloride, (C_2Cl_6) and CS_2.

Regnault, P.M. [4], 9, 21; C.R. 39, 404:—

°	mm.	
8·75	151·24	Mixtures of equal volumes.
13·32	183·32	
18·84	229·15	
22·81	267·53	
26·44	307·41	
30·64	358·81	
33·78	400·47	
36·53	444·34	
42·35	542·21	
48·43	661·95	
11·98	143·82	Mixture of 60 vols. CS_2 and 145 vols. C_2Cl_6.
13·16	149·97	
18·70	188·39	
21·09	206·71	
35·12	349·23	
41·50	436·52	

Mixtures of chloroform and carbondisulphide.

Guthrie, P.M. [5], 18, 513, 514:—

°	mm. at 13°·8.	% $CHCl_3$ by weight.
13·8	158·4	100
,,	190·4	90
13·8	202·3	80
,,	214·0	70
,,	227·8	60
,,	235·0	50
,,	240·6	40
,,	245·4	30
,,	248·6	20
,,	250·3	15
,,	251·5	10
,,	255·7	5
,,	251·6	0
	mm. at 16°.	
16·0	169·2	100
,,	206·6	90
,,	221·4	80
,,	234·6	70
,,	243·7	60
,,	254·0	50
,,	259·7	40
,,	263·7	30
,,	266·9	20
,,	266·8	15
,,	266·1	10
,,	270·4	5
,,	266·2	3
,,	264·8	0

Mixtures of diethyloxide and carbondisulphide.

Regnault, P.M. [4], 9, 19; C.R. 39, 402:

°	mm.	
−16·71	80·59	Mixtures of nearly equal weights of CS_2 and Et_2O.
−11·36	105·26	
−11·02	107·67	
− 8·94	119·18	
− 8·53	121·77	
− 8·44	122·73	
− 7·15	130·40	
− 7·14	130·82	
− 4·01	151·76	
0	182·92	
+ 8·93	271·38	
8·94	271·26	
8·96	270·92	
9·07	274·02	
4·72	207·58	Mixture of 62 vols. CS_2 and 38 vols. of Et_2O.
9·31	252·33	
12·60	288·96	
17·00	344·14	
20·54	395·52	
24·07	451·79	
27·19	506·63	
30·79	575·90	
33·28	627·82	
36·01	688·73	
39·44	772·49	
8·01	253·76	Mixture of 41 vols. of CS_2 and 56 vols. of Et_2O.
9·46	268·81	
11·17	288·55	
12·88	309·50	
16·22	353·33	
18·62	388·42	
21·12	434·88	
23·68	478·38	
26·89	538·77	
30·09	603·93	
32·65	659·45	
35·61	730·33	
38·18	795·80	

Guthrie, P.M. [5], 18, 512:—

°	mm. at 18°·88.	% Et_2O by weight.
18·88	284·5	0
,,	346·3	10
,,	374·3	20
,,	387·3	30
,,	410·1	40
,,	419·3	50
,,	424·6	60
,,	429·8	70
,,	433·0	80
,,	432·5	90
,,	432·1	100

Mixtures of methylcyanide and methylalcohol.

Vincent, C.R. 90, 747; **38**, 525:—

°	ats.	% MeCN.
81·6	1	100
74·0	"	90
69·2	"	80
67·1	"	70
65·7	"	60
64·8	"	50
64·2	"	40
63·8	"	30
63·7	"	20
64·0	"	10
64·8	"	0

Manganous chloride in ethylalcohol.

Brandes, P.A. 22, 271:—

°	ats.	% $MnCl_2$.
76·25	1	36·2*
87·5	"	32·2†

* Absolute alcohol.
† Alcohol of 75 %.

Mixtures of amylene and ethylalcohol.

Guthrie, P.M. [5], 18, 517:—

°	mm. at 18°·4.	% C_5H_{10} by weight.
18·4	41·9	0
"	124·1	10
"	227·4	20
"	277·3	30
"	309·0	40
"	323·7	50
"	330·0	60
"	334·5	70
"	334·8	80
"	338·1	90
"	356·5	100

Mixtures of benzene and ethylalcohol.

Regnault, P.M. [4], 9, 21; C.R. 39, 405:—

°	mm.	
7·22	43·17	Proportion of mixture not stated.
9·98	50·22	
13·11	59·66	
16·05	69·43	
18·59	79·35	

Mixtures of methylcyanide and ethylalcohol.

Vincent, C.R. 90, 747; **38**, 525:—

°	ats.	% MeCN.
81·6	1	100
76·8	"	90
74·8	"	80
73·8	"	70
73·2	"	60
72·7	"	50
72·6	"	44
72·7	"	40
73·2	"	30
74·1	"	20
75·4	"	10
75·4	"	5
78·4	"	0

Mixture of benzene and diethyl oxide (equal weights).

Ramsay, P.R. 31, 194; **42**, 136.

Mixtures of chloroform and diethyloxide.

Guthrie, P.M. [5], 18, 511:—

°	mm. at 19°·02.	% $CHCl_3$ by weight.
19·02	190·7	100
"	196·0	90
"	211·7	80
"	226·4	70
"	233·1	63
"	236·4	61·76*
"	241·4	60
"	278·2	50
"	312·2	40
"	344·8	30
"	377·9	20
"	408·8	10
"	437·8	0

* = $(C_4H_{10}O+CH_3Cl_3)$.

Suberic acid, $C_8H_{14}O_4$.

Brandes, Sch. J. 32, 409, 410:—

(*a*) In diethyloxide.

°	ats.	W.
35	1	16·6

(*b*) In turpentine.

°	ats.	W.
174·44	1	100

III.—FREEZING (AND MELTING) POINTS OF MIXTURES, INCLUDING CRYOHYDRATES.

I. placed after a freezing point indicates that ice separates; ch., that a cryohydrate separates; sch., that a subcryohydrate separates; S., that only the substance itself separates. W = number of parts of the substance to 100 parts of the solvent. p.c. = percentage of substance in 100 parts of the mixture. Sat. = saturated. A number placed before the symbol H_2O in the 3rd column indicates that so many molecules of water are present to 1 molecule of the substance. By "Temperature of Cryogen" is meant the lowest temperature which can be produced by mixing the substance with the solvent.

A.—MIXTURES WITH WATER, H_2O.

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Sodium fluoride	NaF	?	—5·63	—3·2	Guthrie	P. M. [5], 6, 40	**36**, 428
Aluminium chloride	Al_2Cl_6	1 W.	—0·481	....	Raoult	C. R., 99, 324	**46**, 1248
Barium chloride	$BaCl_2$	23·2 p.c.	—8 ch.	—7·2	Guthrie	P. M. [4], 49, 267; [5], 6, 105	**29**, 336; **36**, 429; viii., 1005
„ „	„	5 p.c.	—0·9 I.	....	„	P. M. [5], 2, 211	**31**, 36
„ „	„	10 „	—2·2 I.	....	„	„	„
„ „	„	15 „	—4·0 I.	....	„	„	„
„ „	„	20 „	—6·0 I.	....	„	„	„
„ „	„	*21·83* p.c.	—*7·5* ch.	—*7·3*	„	„	„
„ „	„	23·98 „	0·0 S + H_2O	....	„	„	„
„ „	„	30 „	+25 „	....	„	„	„
„ „	„	1 W.	—0·233	....	Raoult	C. R., 98, 1047	**46**, 808
Calcium chloride	$CaCl_2$	21·8 „	—10	....	Rudorff	P. A., 114, 63	v., 1012
„ „	„	Saturated	—21	....	„	„	„
„ „	„	1 W.	—0·42	....	Raoult	C. R., 98, 1047	
„ „	„	20 p.c.	....	—15	Guthrie	P. M. [5], 1, 50	viii., 1006
„ „	„	1 „	—0·2 I.	....	„	P.M. [5], 1, 361, 455	**30**, 169
„ „	„	2 „	—0·5 I.	....	„	„	„
„ „	„	3 „	—1·1 I.	....	„	„	„
„ „	„	4 „	—1·6 I.	....	„	„	„
„ „	„	5 „	—2·1 I.	....	„	„	„
„ „	„	7 „	—3·3 I.	....	„	„	„
„ „	„	10 „	—5·5 I.	....	„	„	„
„ „	„	15 „	—10·5 I.	....	„	„	„
„ „	„	20 „	—17·5 I.	....	„	„	„
„ „	„	28 „	—27·5 ch.	....	„	„	„
„ „	„	36·45 p.c.	—*37*? hydrate	—33	„	„	„
„ „	„	39 p.c.	0 $CaCl_2.6H_2O$	....	„	„	„
„ „	„	45 „	—15·5 „	....	„	„	„
„ „	„ + H_2O	33·3 to 50 p.c.	....	—17	„	P. M. [5], 1, 51	„
„ „	„ + $3H_2O$	61·5 p.c.	....	—33	„	P. M. [5], 1, 50	„
„ „	„ + $6H_2O$	8·45 H_2O	?	—54·9	Hammerl	W. A., 78, 59	**36**, 689
Cadmium chloride	$CdCl_2$	?	?	—8·3	Guthrie	P. M. [5], 6, 44	**36**, 428
Cobalt „	$CoCl_2$	?	?	—15·35	„	„	„
Chromic „ (violet)	Cr_2Cl_6	1 W.	—0·408	....	Raoult	C. R., 99, 324	**46**, 1248
Cœsium „	CsCl	1 W.	—0·211	....	„	C. R., 98, 510; B.r. 17, 196	**46**, 701
Cupric „	$CuCl_2$	1 W.	—0·36	....	„	C. R., 98, 1047	**46**, 808
Ferric „	Fe_2Cl_6	1 W.	—0·396	....	„	C. R., 99, 324	**46**, 1248
Hydrochloric acid	HCl	1 W.	—1·006	....	„	„	„
„ „	„	1 W.	—1·071	....	„	A. C. [6], 2, 66	**46**, 953
Mercuric chloride	$HgCl_2$	1 W.	—0·048	....	„	C. R., 87, 169	**36**, 4
„ „	„	1 W.	—*0·076*	....	„	C. R., 98, 1047	**46**, 808
„ „	„	3·24 p.c. (sat.)	—0·2 ch.	—0·2	Guthrie	P. M. [4], 49, 268	**29**, 336; viii., 1005
Potassium chloride	KCl	1 W.	— 0·446	....	Raoult	C.R., 87, 169	**36**, 4
„ „	„	1 W.	— *0·451*	B.r., 17, 196	„	C.R., 98, 509	**46**, 701
„ „	„	20·03 p.c.	—11·4 ch.	....	Guthrie	P.M. [4], 49, 17, 212	**28**, 531; viii., 1005

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Lithium chloride	$LiCl$	1 W.	− 0·866	B.r., 17, 196	Raoult	C.R., 98, 510	**46**, 701
Magnesium „	$MgCl_2$	1 W.	− 0·514	....	„	C.R., 98, 1047	**46**, 808
Manganese „	$MnCl_2$	?	?	−28	Guthrie	P.M. [5], 6, 44	**36**, 428
Sodium „	$NaCl$	10 p.c.	− 6	....	Rudorff	P.A., 114, 63	**v.**, 1012
„ „	„	1 „	− 0·76	....	Karsten	....	**v.**, 337
„ „	„	5 „	− 3·78	....	„	....	„
„ „	„	10 „	− 7·44	....	„	....	„
„ „	„	15 „	−10·99	....	„	....	„
„ „	„	20 „	−14·42	....	„	....	„
„ „	„	25 „	−17·77	....	„	....	„
„ „	„	1 W.	− 0·6	B.r., 17, 196	Raoult	C.R., 87, 169; 98, 510; 99, 324	**36**, 4; **46**, 701, 1248
„ „	„	23·6 p.c.	−22	−23	Guthrie	P.M. [4], 49, 9	**viii.**, 1005
„ „	„	1 „	− 0·3 I.	....	„	P.M. [5], 1, 359	**28**, 334, 531
„ „	„	2 „	− 0·9 I.	....	„	„	„
„ „	„	3 „	− 1·5 I.	....	„	„	„
„ „	„	4 „	− 2·2 I.	....	„	„	„
„ „	„	7 „	− 4·2 I.	....	„	„	„
„ „	„	10 „	− 6·6 I.	....	„	„	„
„ „	„	13 „	− 9·1 I.	....	„	„	„
„ „	„	15 „	−11·0 I.	....	„	„	„
„ „	„	16 „	−11·9 I.	....	„	„	„
„ „	„	19 „	−15·5 I.	....	„	„	„
„ „	„	20 „	−17·0 I.	....	„	„	„
„ „	„	22 „	−20·0 I.	....	„	„	„
„ „	„	23·6 „	*−22·0* ch.	....	„	„	„
„ „	„	25 „	−12·0 sch.	....	„	„	„
„ „	„	26·27 „	0·0 S.	....	„	„	„
„ „	„	26·5 „	+25·0 S.	....	Poggiale	„	„
„ „	„	26·8 „	+40·0 S.	....	„	„	„
Ammonium „	$(NH_4)Cl$	10 p.c.	− 6·5	....	Rudorff	P.A., 114, 63	**v.**, 1012
„ „	„	1 W.	− 0·639	....	Raoult	C.R., 87, 169	**36**, 4
„ „	„	1 W.	− 0·650	B.r., 17, 196	„	C.R., 98, 510	**46**, 701
„ „	„	19·27 p.c.	−15 to −16	−16	Guthrie	P.M. [4], 49, 13, 211	**viii.**, 1005
„ „	„	1 „	− 0·4 I.	....	„	P.M. [5], 1, 360, 455	**28**, 531
„ „	„	3 „	− 1·6 I.	....	„	„	„
„ „	„	5 „	− 3·1 I.	....	„	„	„
„ „	„	7 „	− 4·6 I.	....	„	„	„
„ „	„	10 „	− 7·1 I.	....	„	„	„
„ „	„	13 „	− 9·9 I.	....	„	„	„
„ „	„	15 „	−12·0 I.	....	„	„	„
„ „	„	16 „	−13·0 I.	....	„	„	„
„ „	„	17 „	−14·0 I.	....	„	„	„
„ „	„	18 „	−15·0 I.	....	„	„	„
„ „	„	19 „	−15·8 I.	....	„	„	„
„ „	„	19·27 „	*−16·0* ch.	....	„	„	„
„ „	„	20 „	−15 S.	....	„	„	„
„ „	„	22 „	− 5 S.	....	„	„	„
„ „	„	23·2 „	0 S.	....	„	„	„
„ „	„	25 „	+ 8 S.	....	„	„	„
„ „	„	30 „	+32 S.	....	„	„	„
Nickel chloride	$NiCl_2$	?	?	−10·35	„	P. M. [5], 6, 44	**36**, 428
Stannic „	$SnCl_4$	1 W.	− 0·37	....	Raoult	C. R., 99, 324	**46**, 1248
Strontium chloride	$SrCl_2$	1 W.	− 0·32	....	„	C. R., 98, 1047	**46**, 808
„ „	„	27·57 p.c.	−17	−18	Guthrie	P. M. [4], 49, 267	**29**, 336
Potassium bromide	KBr	1 W.	− 0·295	B.r., 17, 196	Raoult	C. R., 87, 169; 98, 510	**36**, 4; **46**, 701

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Potassium bromide	KBr	32·15 p.c.	—13	....	Guthrie	P. M. [4], 49, 17, 211	viii., 1005
" "	"	10 "	— 3·0 I.	....	"	P. M. [5], 1, 363	28, 531
" "	"	20 "	— 7·1 I.	....	"	"	"
" "	"	30 "	—12·0 I.	....	"	"	"
" "	"	32·15 "	—13·0 ch.	—13	"	"	"
" "	"	33 "	— 9·8 S.	....	"	"	"
" "	"	34 "	— 5·0 S.	....	"	"	"
" "	"	35·03 "	0 S.	....	"	"	"
" "	"	39·7 "	+20 S.	....	Kremers	"	"
" "	"	43·2 "	+40	....	"	"	"
Sodium "	NaBr	41·33 "	—24	—28	"	P. M. [4], 49, 214	"
Ammonium "	NH_4Br	32·12 "	—17	—17	"	P. M. [4], 49, 213	viii., 1005
Barium iodide	BaI_2	1 W.	— 0·13	....	Raoult	C. R., 98, 1047	46, 808
Potassium iodide	KI	1 W.	— 0·215	....	"	C. R., 87, 169	36, 4
" "	"	1 W.	— 0·212	B.r., 17, 196	"	C. R., 98, 510	46, 701
" "	"	52·07 p.c.	—23	—22	Guthrie	P. M. [4], 49, 17, 211	viii., 1005
" "	"	10 "	— 2·2 I.	....	"	P. M. [5], 1, 363	28, 531
" "	"	20 "	— 5·1 I.	....	"	"	"
" "	"	30 "	— 9·0 I.	....	"	"	"
" "	"	40 "	—14·4 I.	....	"	"	"
" "	"	52·07 "	—22 ch.	....	"	"	"
" "	"	55·93 "	0 S.	....	"	"	"
" "	"	58·9 "	+20 S.	....	Kremers	"	"
" "	"	61·4 "	+40 S.	....	"	"	"
Sodium iodide	NaI	59·45 "	—15 ch.	—26·5	Guthrie	P. M. [4], 49, 214	viii., 1005
" "	"	5 "	— 0·7 I.	....	"	P. M. [5], 1, 452	28, 531
" "	"	10 "	— 2·1 I.	....	"	"	"
" "	"	15 "	— 3·9 I.	....	"	"	"
" "	"	20 "	— 6·0 I.	....	"	"	"
" "	"	25 "	— 8·5 I.	....	"	"	"
" "	"	30 "	—11·8 I.	....	"	"	"
" "	"	35 "	—15·2 I.	....	"	"	"
" "	"	40 "	—20·5 I.	....	"	"	"
" "	"	45 "	—26·0 I.	....	"	"	"
" "	"	49·2 "	—30·0 ch. and —15 ch.	—26·5	"	"	"
" "	"	50 "	—29·5 sch.	....	"	"	"
" "	"	55 "	—20·0 sch.	....	"	"	"
" "	"	60 "	—14·7 sch.	....	"	"	"
" "	"	61·6 "	0·0 S.	....	"	"	"
" "	"	63·6 "	+13·0 S.	....	"	"	"
Ammonium iodide	NH_4I	55·49 "	—27 to—28 ch.	—27	"	P. M. [4], 49, 213	28, 531; viii., 1005
Arsenic trioxide	As_2O_3	?	—0·5	—0·3	Guthrie	P. M. [5], 6, 44	36, 428
Sulphur dioxide	SO_2	?	—1·5	....	"	"	"
Ammonia	NH_3	1 W.	—1·117	B., 15, 1749; 16, 3054	Raoult	C. R., 94, 1518; 97, 941; A. C. [3], 28, 133	44, 7, 952; 46, 255
"	"	1 p.c.	— 0·8 I.	....	Guthrie	P. M. [5], 18, 23	48, 337
"	"	3 "	— 3·2 I.	....	"	"	"
"	"	5 "	— 5·6 I.	....	"	"	"
"	"	10 "	—12·8 I.	....	"	"	"
"	"	15 "	—21·4 I.	....	"	"	"
"	"	20 "	—43·4 I.	....	"	"	"
"	"	33·3 "	L.—80	....	"	"	"

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Barium and strontium chlorides	$BaSrCl_4$	?	−18 ch.	−16·7	Guthrie	P. M. [5], 1, 55	**30**, 170
Cupric and potassium chlorides	CuK_2Cl_4	1 W.	−0·412	....	Raoult	C. R., 99, 915	**46**, 122
Mercuric and ammonium chlorides....	$Hg(NH_4)_2Cl_4$	1 W.	−0·181	....	„	„	„
Potassium and magnesium chlorides	K_2MgCl_4	1 W.	−0·480	....	„	„	„
Potassium and sodium chlorides	$KNaCl_2$	?	−21 ch.	−21	Guthrie	P. M. [5], 1, 53	**30**, 169
Potassium and ammonium chlorides	$K(NH_4)Cl_2$	23·57 p.c.	−17 ch.	−18	„	P. M. [5], 1, 55	„
Sodium and platinum chlorides	Na_2PtCl_6	1 W.	−0·119	....	Raoult	C. R., 99, 915	**46**, 122
Mercuric and potassium iodides	K_2HgI_4	1 W.	−0·065	....	„	„	„
Barium hydrate	BaH_2O_2	1 W.	−0·290	B., 16, 3054	Raoult	C. R., 97, 941	**46**, 255, 1248
„ „	„	1·65 p.c.	−0·5	−0·5	Guthrie	P. M. [5], 6, 35	**36**, 428
Calcium „	CaH_2O_2	0·362 p.c.	−0·15	−0·18	„	„	„
„ „	„	1 W.	−0·648	B., 16, 3054	Raoult	C. R., 97, 941	**46**, 255
Cœsium „	CsHO	1 W.	−0·237	„	„	„	„
Potassium „	KHO	1 W.	−0·630	„	„	„	„
Lithium „	LiHO	1 W.	−1·558	„	„	„	„
Sodium „	NaHO	1 W.	−0·905	„	„	„	„
Rubidium „	RbHO	1 W.	−0·360	„	„	„	„
Strontium hydrate	SrH_2O_2	1 W.	−0·396	„	„	„	„
„ „	„	0·46 p.c.	−0·1 ch.	−0·09	Guthrie	P. M. [5], 6, 36	**36**, 428
Thallium „	TlHO	1 W.	−0·150	B., 16, 3054	Raoult	C. R., 97, 941	**46**, 255
Sodium sulphhydrate	NaHS	1 W.	−0·648	B.r., 17, 196	„	C. R., 98, 510	**46**, 701
Ammonium „	$(NH_4)HS$	1 W.	−0·703	„	„	„	„
Sodium hypochlorite	NaClO	1 W.	−0·454	B.r., 17, 196	Raoult	C. R., 98, 510	**46**, 701
Barium chlorate	$Ba(ClO_3)_2$	1 W.	−0·145	....	„	C. R., 98, 1047	**46**, 808
Potassium „	$KClO_3$	1 W.	−0·215	....	„	C. R., 87, 169	**36**, 4
„ „	„	2·93 p.c.	−0·5 ch.	−0·7	Guthrie	P. M. [4], 49, 15	**28**, 334; viii., 1005
Ammonium perchlorate	$(NH)_4ClO_4$	1 W.	−0·252	B.r., 17, 196	Raoult	C. R., 98, 509	**46**, 701
Sodium iodate	$NaIO_3$	1 W.	−0·153	„	„	„	„
Potassium permanganate	$KMnO_4$	1 W.	−0·197	„	„	„	„
„ „	„	2·836 p.c.	−0·57 ch.	−0·52	Guthrie	P. M. [5], 6, 37	**36**, 428
Potassium sulphite	K_2SO_3	1 W.	−0·285	B.r., 17, 196	Raoult	C. R., 98, 510	**46**, 701
Aluminium sulphate	$Al_2(SO_4)_3$	1 W.	−0·129	....	„	C. R., 99, 324	**46**, 1248
Chromium „ (violet)	$Cr_2(SO_4)_3$	1 W.	−0·115	....	„	„	„
Copper „	$CuSO_4$	1 W.	−0·113	....	„	C. R., 98, 1047	**46**, 808
„ „	„	16·89 p.c.	−2 ch.	−2	Guthrie	P. M. [4], 49, 15	**28**, 334; viii., 1005
Ferrous sulphate	$FeSO_4$	16·92 „	−2·2 ch.	−1·7	„	P. M. [4], 49, 267	**29**, 336
„ „	„	5·0 „	−0·2 I.	....	„	P. M. [5], 2, 212	**31**, 36
„ „	„	10·0	−0·8 I.	....	„	„	„
„ „	„	14·5	−2·0 ch.	....	„	„	„
„ „	„	14·9	0 $S+7H_2O$	....	„	„	„
Ferric sulphate	$Fe_2(SO_4)_3$	1 W.	−0·115	....	Raoult	C. R., 99, 324	**46**, 1248
Sulphuric acid	H_2SO_4	1 W.	−0·390	....	„	„	„
Potassium sulphate	K_2SO_4	1 W.	−0·210	....	„	C. R., 87, 169	**36**, 4
„ „	„	1 W.	−0·224	A. C. [6], 2, 66; B.r., 17, 196	„	C. R., 98, 510; 99, 324	**46**, 701, 952, 1248
„ „	„	7·8 p.c.	−1·2	−1·5	Guthrie	P. M. [4], 49, 217	**28**, 532; viii., 1005
Magnesium „	$MgSO_4$	21·86 p.c.	−6 ch.	−5·3	„	P. M. [4], 49, 14	**28**, 334
„ „	„	5·0 „	−0·6 I.	....	„	P. M. [5], 1, 365	viii., 1005
„ „	„	10 „	−1·5 I.	....	„	„	„
„ „	„	15 „	−3·0 I.	....	„	„	„
„ „	„	20 „	−4·8 I.	....	„	„	„
„ „	„	21·86 „	−5·0 ch.	....	„	„	„
„ „	„	21·9 „	0 $S+7H_2O$	....	„	„	„
„ „	„	25 „	+15·0 „	....	„	„	„

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Magnesium sulphate	$MgSO_4$	30 p.c.	+31·0 S. +H_2O	....	Guthrie	P. M. [5], 1, 365	viii., 1005
" "	"	1 W.	−0·160	....	Raoult	C. R., 98, 1047	46, 808
Sodium sulphate	Na_2SO_4	1 W.	−0·249	B.r., 17, 196	"	C. R., 98, 510	46, 701
" "	"	Sat. at 5°	−1·85	....	Coppet	A. C. [4], 23, 374	
" "	"	4·55 p.c.	−0·7 ch.	−0·7	Guthrie	P. M. [4], 49, 15, 217	28, 334, 532; viii., 1005
Ammonium sulphate	$(NH_4)_2SO_4$	1 W.	−0·273	A. C. [6], 2, 66	Raoult	C. R., 87, 169	36, 4; 46, 952
" "	"	1 W.	−0·280	B.r., 17, 196	"	C. R., 98, 510	46, 701
" "	"	41·7 p.c.	−17 ch.	....	Guthrie	P.M. [4], 49, 217	28, 532
" "	"	10 p.c.	−2·6 I.	....	"	P.M. [5], 1, 364	viii., 1005
" "	"	20 "	−6·0 I.	....	"	"	"
" "	"	28·6 p.c.	−10·8 I.	....	"	"	"
" "	"	40 p.c.	−16·0 I.	....	"	"	"
" "	"	41·7 p.c.	*−17·0 ch.*	....	"	"	"
" "	"	41·9 "	0 S.	....	"	"	"
" "	"	43·2 "	+19·0 S.	....	"	"	"
Zinc sulphate....	$ZnSO_4$	30·84 p.c.	−7	−5	"	P.M. [4], 49, 14	28, 334; viii., 1005
" "	"	1 W.	−0·112	....	Raoult	C.R., 98, 1047	46, 808
Sodium thiosulphate	$Na_2S_2O_3$	1 p.c.	−0·1 I.	....	Guthrie	P.M. [5], 6, 41	36, 428
" "	"	2 "	−0·4 I.	....	"	"	"
" "	"	3 "	−0·65 I.	....	"	"	"
" "	"	5 "	−1·2 I.	....	"	"	"
" "	"	6 "	−1·5 sch. ?	....	"	"	"
" "	"	10 "	−2·5 "	....	"	"	"
" "	"	15 "	−3·9 "	....	"	"	"
" "	"	20 "	−5·45 "	....	"	"	"
" "	"	30 "	−9·5 to 11·0 sch. ?	....	"	"	"
" "	"	30 "	−11 ch.	−10	"	"	"
" "	"	33·55 p.c.	0 S+5 H_2O	....	Kremers	"	"
" "	"	41 p.c.	+20 "	....	"	"	"
" "	"	1 W.	−0·252	B.r., 17, 196	Raoult	C.R., 98, 510	46, 701
Barium dithionate	BaS_2O_6	1 W.	−0·075	....	"	C.R., 98, 1047	46, 808
Ammonium selenate....	$(NH_4)_2SeO_4$	1 W.	−0·215	B.r., 17, 196	"	C.R., 98, 510	46, 701
Potassium chromate....	K_2CrO_4	1 W.	−0·200	B.r., 17, 196; A. C. [6], 2, 66	"	C.R., 87, 169; 98, 510	36, 4; 46, 701, 952
" "	"	36·27 p.c.	−11	−10·2	Guthrie	P.M. [4], 49, 267	29, 336; viii., 1005
" dichromate	$K_2Cr_2O_7$	5·3 p.c.	−1·0	−1·0	"	P.M. [4], 49, 16	28, 334; 29, 336; viii., 1005
" "	"	1 W.	−0·146	B.r., 17, 196	Raoult	C.R., 98, 510	46, 701
Magnesium chromate	$MgCrO_4$	1 W.	−0·139	....	"	C.R., 98, 1047	46, 808
Sodium tungstate	Na_2WO_4	1 W.	−0·148	B.r., 17, 196	"	C.R., 98, 510	46, 701
Boracic acid	H_3BO_3	?	−0·7	−0·8	Guthrie	P.M. [5], 6, 44	36, 428
Silver nitrate....	$AgNO_3$	1 W.	−0·145	....	Raoult	C.R., 87, 169	36, 4
" "	"	1 W.	*−0·174*	B.r., 17, 196	"	C.R., 98, 509	46, 701
" "	"	10 p.c.	−0·8 I.	....	Guthrie	P.M. [5], 1, 367	viii., 1007
" "	"	20 "	−2·7 I.	....	"	"	"
" "	"	30 "	−4·7 I.	....	"	"	"
" "	"	40 "	−6·0 I.	....	"	"	"
" "	"	48·3 p.c.	−6·5 ch.	−6·5	"	P.M. [5], 1, 455	"
" "	"	50 p.c.	−5·5 S.	....	"	P.M. [5], 1, 367	"
" "	"	53 "	−2·2 S.	....	"	"	"
" "	"	55 "	0 S.	....	"	"	"
" "	"	69·4 p.c.	+19·5 S.	....	Kremers	"	"
Aluminium nitrate	$Al_2(NO_3)_6$	1 W.	−0·458	....	Raoult	C.R., 99, 324	46, 1248
Barium nitrate	$Ba(NO_3)_2$	1 W.	−0·145	....	"	C.R., 87, 169	36, 4
" "	"	1 W.	−0·155	....	"	C.R., 98, 1047	46, 808

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Barium nitrate	$Ba(NO_3)_2$	5·3 p.c.	−0·8	....	Guthrie	P.M. [4], 49, 17, 267	**29**, 336
" "	"	3·0 "	−0·4	....	"	P.M. [5], 2, 214	viii., 1005
Chromic "	$Cr_2(NO_3)_6$	1 W.	−0·115	....	Raoult	C.R., 99, 324	**46**, 1248
Nitric acid	HNO_3	1 W.	−0·568	....	"	"	"
Potassium nitrate	KNO_3	Saturated	−2·8	B., 2, 70	Rudorff	P.A., 122, 341	
" "	"	1 W.	−0·245	....	Raoult	C.R., 87, 169	**36**, 4
" "	"	1 W.	*−0·305*	B.r., 17, 196	"	C.R., 98, 509	**46**, 701
" "	"	?	−2·5 S.	....	Guthrie	P.M. [4], 49, 14	viii., 1005
" "	"	11·2 p.c.	2·7 ch.	....	"	"	**28**, 334, 532
" "	"	11·2 "	2·6 ch.	....	"	P.M. [4], 49, 218	"
" "	"	1 "	−0·1 I.	....	"	P.M. [5], 1, 361	"
" "	"	2 "	−0·3 I.	....	"	"	"
" "	"	3 "	−0·7 I.	....	"	"	"
" "	"	4	−1·1 I.	....	"	"	"
" "	"	5 "	−1·5 I.	....	"	"	"
" "	"	7 "	−2·2 I.	....	"	"	"
" "	"	8·5 "	−2·6 I.	....	"	"	"
" "	"	10 "	−2·9 I.	....	"	"	"
" "	"	11·2 "	*−3·0 ch.*	−3·0	"	P.M. [5], 1, 455	"
" "	"	12 "	0 S.	....	"	P.M. [5], 1, 361	"
" "	"	13 "	+2·0 S.	....	"	"	"
" "	"	15 "	6 S.	....	"	"	"
" "	"	20 "	14 S.	....	"	"	"
" "	"	25 "	21 S.	....	"	"	"
" "	"	35 "	35 S.	....	"	"	"
" "	"	40 "	41 S.	....	"	"	"
Sodium nitrate	$NaNO_3$	$+7H_2O$	−15·7	m.p.−15	Ditte	B., 8, 699	
" "	"	1 W.	−0·347	....	Raoult	C.R., 87, 169	**36**, 4
" "	"	1 W.	*−0·396*	B.r., 17, 196	"	C.R., 98, 509	**46**, 701
" "	"	40·8 p.c.	−17·5 ; −16·5 ch.	−16·5	Guthrie	P.M. [4], 49, 218	**28**, 532 ; viii., 1005
" "	"	5 p.c.	−2 I.	....	"	P.M. [5], 2, 213	**31**, 36
" "	"	10	−4·2 I.	....	"	"	"
" "	"	15	−6·3 I.	....	"	"	"
" "	"	20	−8·4 I.	....	"	"	"
" "	"	25	−10·8 I.	....	"	"	"
" "	"	30	−13 I.	....	"	"	"
" "	"	35	−15·5 I.	....	"	"	"
" "	"	40·8	*−17·5 ch.*	....	"	"	"
" "	"	42·34	0 S or sch.	....	"	"	"
Ammonium nitrate	$(NH_4)NO_3$	Sat.	−16·7	B., 2, 70	Rudorff	P. A., 122, 341	
" "	"	1 W.	− 0.378	....	Raoult	C. R., 87, 169	**36**, 4
" "	"	1 W.	− 0·400	B.r., 17, 196	"	C. R., 98, 509	**46**, 701
" "	"	43·7 p.c.	−17·2	−17·2	Guthrie	P. M. [4], 49. 217	**26**, 532
" "	"	10 p.c.	− 3·5 I.	....	"	P. M. [5], 1, 365	viii., 1005
" "	"	20	− 7·0 I.	....	"	"	"
" "	"	30	−11·5 I.	....	"	"	"
" "	"	40	−17·0 I.	....	"	"	"
" "	"	43·7	−17·2 ch.	....	"	"	"
" "	"	47	−12·0 S.	....	"	"	"
" "	"	51	− 5·7 S.	....	"	"	"
" "	"	54·1	0 S.	....	"	"	"
" "	"	66·5	+18·1 S.	....	"	"	"
Lead nitrate	$Pb(NO_3)_2$	1 W.	− 0·104	....	Raoult	C. R., 87, 169	**36**, 4
" "	"	1 W.	*− 0·113*	....	"	C. R., 98, 1047	**46**, 808
" "	"	5 p.c.	− 0·3 I.	....	Guthrie	P. M. [5], 2, 214	viii., 1008
" "	"	10 "	− 0·5 I.	....	"	"	"
" "	"	15 "	− 0·7 I.	....	"	"	"
" "	"	20 "	− 1·2 I.	....	"	"	"
" "	"	26·23 "	− 2·5 ch.	−2·5	"	"	"

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Lead nitrate	$Pb(NO_3)_2$	29·89 p.c.	0 S.	....	Guthrie	P. M. [5], 2, 214	viii., 1008
Strontium nitrate	$Sr(NO_3)_2$	1 W.	— 0·195	....	Raoult	C. R., 98, 1047	46, 808
„ „	„	25·99 p.c.	— 6·0 ch.	—6·0	Guthrie	P. M. [4], 49, 267	29, 336
„ „	„	5 „	— 0·5 I.	....	„	P. M. [5], 2, 214	31, 36
„ „	„	10 „	— 1·2 I.	....	„	„	„
„ „	„	15 „	— 2·3 I.	....	„	„	„
„ „	„	20 „	— 3·8 I.	....	„	„	„
„ „	„	26 „	— 6·0 ch.	....	„	„	„
„ „	„	29·62 „	0 S.	....	„	„	viii., 1005
Trisodium phosphate	Na_3PO_4	1 W.	— 0·298	B.r., 17, 196	Raoult	C. R., 98, 510	46, 701
Tetrasodium pyrophosphate	$Na_4P_2O_7$	1 W.	— 0·172	„	„	„	„
Potassium carbonate	K_2CO_3	1 W.	— 0·303	A. C. [6], 2, 66	Raoult	C. R., 98, 510; B.r., 17, 196	46, 701; 952
Sodium „	Na_2CO_3	Sat.	— 2·0 ch.	B., 2, 70	Rudorff	P. A., 122, 341	
„ „	„	8 W.	— 2·8	....	Coppet	A. C. [4], 23, 373	
„ „	„	1 W.	— 0·380	B.r., 17, 196	Raoult	C. R. 98, 510	46, 952
„ „	„	?	— 2·0 ch.	....	Guthrie	P. M. [4], 49, 17	29, 336
„ „	„	5·97 p.c.	— 2·0 ch.	—2·2	„	P. M. [4], 49, 268	viii., 1005
Potassium hydrogensulphite	$KHSO_3$	1 W.	— 0·270	B., 17, 196	Raoult	C. R., 98, 510	46, 701
Aluminium ammonium sulphate	$Al(NH_4)(SO_4)_2$	4·7 p.c.	— 0·2 ch.	—0·7	Guthrie	P. M. [4], 49, 268	29, 336; viii., 1005
„ potassium „	$AlK(SO_4)_2$	1 W.	— 0·159	....	Raoult	C. R., 99, 915	48, 122
Chromium „ „	$CrK(SO_4)_2$	1 W.	— 0·147	....	„	„	„
Copper „ „	$CuK_2(SO_4)_2$	1 W.	— 0·175	....	„	„	„
Ferrous „ „	$FeK_2(SO_4)_2$	1 W.	— 0·173	....	„	„	„
Ferric „ „	$FeK(SO_4)_2$	1 W.	— 0·148	....	„	„	„
Hydrogen potassium sulphate	$HKSO_4$	1 W.	— 0·334	B.r., 17, 196	„	C. R., 98, 510	46, 701
Magnesium „ „	$MgK_2(SO_4)_2$	1 W.	— 0·196	....	„	C. R., 99, 914	48, 122
Zinc „ „	$ZnK_2(SO_4)_2$	1 W.	— 0·173	....	„	„	„
„ „ „	„	8·25 p.c.	— 1·25 ch.	— 1·01	Guthrie	P. M. [5], 6, 38	36, 428
Sodium ammonium „	$Na(NH_4)SO_4$	12·24 p.c. $(NH_4)_2SO_4$; 4·84 Na_2SO_4; 82·92 H_2O	— 7·0 ch.	—16·0	„	P. M. [5], 1, 57	30, 170
Potassium sodium nitrate	$KNa(NO_3)_2$	?	—7 to—17 ch.	—16·8	Guthrie	P. M. [5], 1, 53	30, 169
Barium strontium „	$BaSr(NO_3)_4$	?	—4·3 ch.	— 5·8	„	P. M. [5], 1, 55	30, 170
„ hypophosphite	$Ba(H_2PO_2)_2$	1 W.	—0·190	....	Raoult	C. R., 98, 1047	46, 808
Disodium phosphite	HNa_2PO_3	1 W.	—0·327	B.r., 17, 196	„	C. R., 98, 510	46, 701
Mono-sodium „	H_2NaPO_3	1 W.	—0·307	„	„	„	„
Disodium phosphate	HNa_2PO_4	1 W.	—0·260	„	„	„	„
„ „	„	1·83 p.c.	—0·9 ch.	—1·0	Guthrie	P. M. [5], 2, 213	31, 36
Monosodium „	H_2NaPO_4	1 W.	—0·225	B.r., 17, 196	Raoult	C. R., 98, 510	46, 701
Monopotassium arsenate	H_2KAsO_4	1 W.	—0·168	„	„	„	„
Sodium chloride and potassium sulphate	$NaCl.K_2SO_4$	?	—10 ch.	....	Guthrie	P. M. [5], 1, 59	30, 171
„ „ „	$2NaCl.K_2SO_4$	?	—12·5 ch.	....	„	„	„
Sodium nitrate and potassium sulphate	$2NaNO_3.K_2SO_4$	?	—5 ch.	....	„	„	„
Potassium nitrate and sodium sulphate	$2KNO_3.Na_2SO_4$	?	—5 ch.	....	„	„	„
Formic acid	CH_2O_2	1 W.	—0·419	B., 15, 1749	Raoult	C. R., 94, 1518; A. C. [3], 28, 133	44, 7, 952
Methyl alcohol	CH_4O	1 W	—0·541	„	„	„	„
Oxalic acid	$C_2H_2O_4+2Aq$	1 W.	—0·182	„	„	„	„
„	„	?	—0·5 ch.	....	Guthrie	P. M. [4], 49, 17	
Ethyl aldehyde	C_2H_4O	0·779 p.c.	—0·32	....	Paterno	B., 19, 2529	

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethyl aldehyde	C_2H_4O	3·229 p.c.	−1·38	....	Paterno	B., 19, 2529	
" "	"	3·249 "	−1·39	....	"	"	
" "	"	9·887 "	−4·32	....	"	"	
" "	"	1 W.	−0·426	....	"	"	
Acetic acid	$C_2H_4O_2$	100 pts. HAc +24 pts. H_2O	−7·4	....	Rudorff	B., 3, 392	**24**, 1093
" "	"	" 21 "	−5·1	....	"	"	"
" "	"	" 18 "	−2·6	....	"	"	"
" "	"	" 15 "	−0·2	....	"	"	"
" "	"	" 12 "	+2·7	....	"	"	"
" "	"	" 11 "	3·6	....	"	"	"
" "	"	" 10 "	4·3	....	"	"	"
" "	"	" 9 "	5·3	....	"	"	"
" "	"	" 8 "	6·25	....	"	"	"
" "	"	" 7 "	7·1	....	"	"	"
" "	"	" 6 "	8·2	....	"	"	"
" "	"	" 5 "	9·4	....	"	"	"
" "	"	" 4 "	10·5	....	"	"	"
" "	"	" 3 "	11·95	....	"	"	"
" "	"	" 2 "	13·25	....	"	"	"
" "	"	" 1·5 "	14·0	....	"	"	"
" "	"	" 1·0 "	14·8	....	"	"	"
" "	"	" 0·5 "	15·65	....	"	"	"
" "	"	" 0 "	16·7	....	"	P. J. [2], 2, 241	"
" "	"	0 p.c.	+ 0·8	....	Grimaux	C. R., 76, 486	**26**, 614
" "	"	16·21 "	− 5·4	....	"	B., 6, 566	"
" "	"	18·11 "	− 6·2	....	"	"	"
" "	"	20·78 "	− 7·2	....	"	"	"
" "	"	23·77 "	− 8·3	....	"	"	"
" "	"	30·77 "	−10·8	....	"	"	"
" "	"	38·32 "	−14·5	....	"	"	"
" "	"	43·46 "	−16·4	....	"	"	"
" "	"	50·62 "	−19·8	....	"	"	"
" "	"	55·50 "	−22·3	....	"	"	"
" "	"	61·86 "	−24·0	....	"	"	"
" "	"	66·44 "	−20·5	....	"	"	"
" "	"	68·82 "	−18·9	....	"	"	"
" "	"	76·48 "	−11·7	....	"	"	"
" "	"	86·75 "	− 1·4	....	"	"	"
" "	"	92·69 "	+ 5·4	....	"	"	"
" "	"	100·0 "	+16·7	....	"	"	"
" "	"	1 W.	− 0·317	B., 15, 1749	Raoult	C. R., 94, 1518; A. C. [3], 28, 133	**44**, 7, 952
Ethyl alcohol	C_2H_6O	50 p.c.	−30 viscid	....	Melsens	P. M. [4], 49, 274	**29**, 337
" "	"	20 "	....	− 8	Marchand	J. p., 25, 253	
" "	"	30 "	....	−13	"	"	
" "	"	40 "	....	−16	"	"	
" "	"	50 "	....	−17·5	"	"	
" "	"	60 "	....	−19	"	"	
" "	"	70 "	....	−21	"	"	
" "	"	90 "	....	−22	"	"	
" "	"	5 "	− 2 begins	....	Guthrie	P. M. [4], 49, 273	**29**, 337
" "	"	10 "	− 4·3 "	....	"	"	"
" "	"	15 "	− 7·2 "	....	"	"	"
" "	"	20 "	−10·7 "	....	"	"	"
" "	"	25 "	−14·7 "	....	"	"	"
" "	"	30 "	−19·4 "	....	"	"	"
" "	"	35 "	−23·3 "	....	"	"	"
" "	"	40 "	−27 "	....	"	"	"
" "	"	45 "	−31 "	....	"	"	"
" "	"	50 "	−37 "	....	"	"	"

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethyl alcohol....	C_2H_6O	55 p.c.	−42 begins	....	Guthrie	P.M. [4], 49, 273	29, 337
" "	"	60 "	−45 "	....	"	"	"
" "	"	65 "	−53 "	....	"	"	"
" "	"	70 "	−65 (not)	....	"	"	"
" "	"	39·07 p.c.	*−34 ch.*	....	"	P.M. [4], 49, 274	"
" "	"	1 W.	− 0·376	B., 15, 1749	Raoult	C.R., 94, 1518	44, 7, 952
" "	"	0 W.	0	....	"	A. C. [5], 20, 207	38, 523
" "	"	1·32 W.	− 0·5	....	"	B., 13, 1883	"
" "	"	2·65 W.	− 1·0	....	"	C. R., 90, 866	"
" "	"	3·97 W.	− 1·5	....	"	"	"
" "	"	5·50 W.	− 2·0	....	"	"	"
" "	"	6·62 W.	− 2·5	....	"	"	"
" "	"	7·95 W.	− 3·0	....	"	"	"
" "	"	9·27 W.	− 3·5	....	"	"	"
" "	"	10·60 W.	− 4·0	....	"	"	"
" "	"	11·90 W.	− 4·5	....	"	"	"
" "	"	13·00 W.	− 5·0	....	"	"	"
" "	"	15·30 W.	− 6·0	....	"	"	"
" "	"	17·80 W.	− 7·0	....	"	"	"
" "	"	19·80 W.	− 8·0	....	"	"	"
" "	"	21·90 W.	− 9·0	...	"	"	"
" "	"	23·60 W.	−10·0	....	"	"	"
" "	"	27·60 W.	−12·0	....	"	"	"
" "	"	31·30 W.	−14·0	....	"	"	"
" "	"	35·10 W.	−16·0	....	"	"	"
" "	"	39·00 W.	−18·0	....	"	"	"
" "	"	42·80 W.	−20·0	....	"	"	"
" "	"	46·60 W.	−22·0	....	"	"	"
" "	"	50·60 W.	−24·0	....	"	"	"
" "	"	54·80 W.	−26·0	....	"	"	"
" "	"	59·20 W.	−28·0	....	"	"	"
" "	"	64·60 W.	−30·0	....	"	"	"
" "	"	70·00 W.	−32·0	....	"	"	"
" "	"	48 p.c.	−32	....	Pictêt	C. N., 51, 174	
" "	"	60 "	−52	....	Coleman	"	
" "	"	80 "	−75	....	"	"	
" "	"	Hollands gin	−47	....	"	"	
" "	"	French brandy	−47	....	"	"	
" "	"	Extra strong whisky	−52	....	"	"	
Acetone	C_3H_6O	1 W.	−0·294	B., 15, 1749	Raoult	C. R., 94, 1518 ; A.C.[3], 28, 133	44, 7, 952
Lactic acid	$C_3H_6O_3$	1 W.	−0·213	"	"	"	"
Glycerol	$C_3H_8O_3$	1 W.	−0·186	"	"	"	"
" (cf. Storer, Dict. Sol. 291)	"	9·8 p.c.	−1·25	....	Fabian	D. P., 155, 347	
"	"	19·6 "	−2·5	....	"	"	
"	"	29·4 "	−6·25	....	"	"	
"	"	39·2 "	−17·5	....	"	"	
"	"	44·1 "	−26·25	....	"	"	
"	"	49·0 "	−31·25 to −33·75	....	"	"	
"	"	58·8 "	L.−35	....	"	"	
"	"	68·6 "	L.−35	....	"	"	
"	"	78·4 "	L.−35	....	"	"	
"	"	88·2 "	L.−35	....	"	"	
"	"	98·0 "	L.−35	....	"	"	
Malic acid	$C_4H_6O_5$	1 W.	−0·139	B., 15, 1749	Raoult	C. R., 94, 1518	44, 7, 952
Tartaric acid	$C_4H_6O_6$	1 W.	−0·130	"	"	A. C. [3], 28, 133	"
" "	"	5 p.c.	−0·7 I.	....	Guthrie	P. M. [5], 2, 218	31, 36
" "	"	10 "	−1·4 I.	....	"	"	"
" "	"	15 "	−2·5 I.	....	"	"	"

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Tartaric acid	$C_4H_6O_6$	20 p.c.	− 3·7 I.	....	Guthrie	P. M. [5], 2, 218	**31**, 36
" "	"	25 "	− 4·7 I.	....	"	"	"
" "	"	30 "	− 6·3 I.	....	"	"	"
" "	"	35 "	− 7·6 I.	....	"	"	"
" "	"	40 "	−10·1 I.	....	"	"	"
" "	"	45 "	−13·0 I.	....	"	"	"
" "	"	46·6 p.c.	− 8 ch.	−8	"	"	"
" "	"	50 p.c.	16·5 ?	....	"	"	"
" "	"	55 "	−17·6 s.	....	"	"	"
Ethylic acetate	$C_4H_8O_2$	1 W.	−0·202	B., 15, 1749	Raoult	A. C. [3], 28, 133	**44**, 7, 952
Butyric acid	"	1 W.	−0·212	"	"	C. R., 94, 1518	"
Butyl alcohol	$C_4H_{10}O$	1 W.	−0·232	"	"	C. R., 94, 1518	"
Diethyl oxide	"	1 W.	−0·224	"	"	"	"
" "	"	?	−2·0 ch.	....	Guthrie	P. M. [4], 49, 276	
Phenol	C_6H_6O	1 W.	−0·165	B., 15, 1749	Raoult	A. C. [3], 28, 133	**44**, 7, 952
Pyrogallol	$C_6H_6O_3$	1 W.	−0·129	"	"	C. R., 94, 1518	"
Citric acid	$C_6H_8O_7 + H_2O$	1 W.	−0·092	"	"	"	"
" "	$C_6H_8O_7$	10 p.c.	−1·1 I.	....	Guthrie	P. M. [5], 6, 42	**36**, 428
" "	"	20 "	−2·8 I.	....	"	"	"
" "	"	30 "	−5·0 I.	....	"	"	"
" "	"	40 "	−8·5 I.	....	"	"	"
" "	"	42·62 p.c.	−9·2 ch.	−9·3	"	"	"
" "	"	45 p.c.	−11·3	At these tempe-			
" "	"	45·93 p.c.	−11·7	ratures ord.			
" "	"	47·06 "	−12·2	hydrate, sch.,	"	"	"
" "	"	50·7 "	−13·7	or even ice			
" "	"	51·5 "	−15·0	may be formed			
Paraldehyde	$C_6H_{12}O_3$	2·469 W.	−0·36	....	Paterno	B., 19, 2529	
"	"	4·957 W.	−0·75	....	"	"	
"	"	1 W.	−0·1485	....	"	"	
Dextrose	$C_6H_{12}O_6$	1 W.	−0·107	B. 15, 1749	Raoult	C. R., 94, 1518; A. C. [3], 28, 133	**44**, 7, 952
Mannitol	$C_6H_{14}O_6$	1 W.	−0·099	"	"	"	"
Saccharose	$C_{12}H_{22}O_{11}$	1 W	−0·054	"	"	"	"
"	"	5 p.c.	−0·3 I.	....	Guthrie	P. M. [5], 2, 216	**31**, 36
"	"	10 "	−0·5 I.	....	"	"	**viii.**, 1008
"	"	15 "	−0·9 I.	....	"	"	"
"	"	20 "	−1·3 I.	....	"	"	"
"	"	25 "	−1·8 I.	....	"	"	"
"	"	30 "	−2·4 I.	....	"	"	"
"	"	35 "	−3·2 I.	....	"	"	"
"	"	40 "	−4·1 I.	....	"	"	"
"	"	45 "	−5·4 I.	....	"	"	"
"	"	50 "	−7·0 I.	....	"	"	"
"	"	51·4 p.c.	−8·5 ch.	....	"	"	"
"	"	67·33 "	0 S.	....	"	"	"
Lactose (A. C. [3], 28, 133)	"	1 W.	−0·050	B., 15, 1749	Raoult	C. R., 94, 1518	**44**, 7, 952
Salicine "	$C_{13}H_{28}O_7$	1 W.	−0·060	"	"	"	
Hydrocyanic acid	CHN	1 W.	−0·718	B., 15, 1749	Raoult	C. R., 94, 1518	**44**, 7, 952
Cyanamide	CH_2N_2	0·9803 W.	−0·38	....	Paterno	B., 19, 2529	
"	"	1 W.	−0·3876	....	"	"	
Methylamine	CH_5N	1 W.	−0·638	B., 16, 3054	Raoult	C. R., 97, 941	**46**, 255
Acetonitril	C_2H_3N	2·489 W.	−1·13	....	Paterno	B., 19, 2529	
"	"	2·952 W.	−1·28	....	"	"	
"	"	7·824 W.	−3·30	....	"	"	
"	"	1 W.	−0·4364	....	"	"	
Dicyandiamide	$C_2H_4N_4$	1·57 W.	−0·29	....	"	"	
"	"	1 W.	−0·185	....	"	"	
Ethylamine (A. C. [3], 28, 133)	C_2H_7N	1 W.	−0·411	B., 15, 1749; 16, 3054	Raoult	C. R., 94, 1518; 97, 941	**44**, 7, 952; **46**, 255

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Ethylamine (b.p. 18°)	C_2H_7N	0·99 p.c.	− 0·4 I.	....	Guthrie	P. M. [5], 18, 24	**44**, 337
"	"	5·0 "	− 2·0 I.	....	"	"	"
"	"	10· "	− 4·7 I.	....	"	"	"
"	"	15· "	− 8·4 I.	....	"	"	"
"	"	20· "	−13·3 I.	....	"	"	"
"	"	20·64 "	−13·9 ch.	....	"	"	"
"	"	25· "	−9·5 sch.	....	"	"	"
"	"	30· "	−8·1 sch.	....	"	"	"
"	"	32·4 "	−8·0 sch.	....	"	"	"
"	"	35· "	−8·2 sch.	....	"	"	"
"	"	40· "	−10·1 sch.	....	"	"	"
"	"	50· "	−16·4 sch.	...	"	"	"
Trimethylamine	C_3H_9N	1 W.	−0·342	B., 16, 3054	Raoult	C. R., 97, 941	**46**, 255
Propylamine (A. C. [3], 28, 133)	"	1 W.	−0·312	{B., 15, 1749; 16, 3054}	"	{C. R., 94, 1518; 97, 941}	**44**, 7, 952; **46**, 255
Diethylamine (b.p. 54°)	$C_4H_{11}N$	5 p.c.	−1·1 I.	....	Guthrie	P. M. [5], 18, 27	**48**, 337
"	"	10 "	−2·9 I.	....	"	"	"
"	"	15 "	−5·2 I.	....	"	"	"
"	"	20 "	−8·4 I.	....	"	"	"
"	"	21 "	−9·1 I.	....	"	"	"
"	"	22 "	−9·9 I.	....	"	"	"
"	"	22·5 "	−11·0 ch.	....	"	"	"
"	"	23 "	− 9·9 sch.	....	"	"	"
"	"	25 "	− 9·1 sch.	....	"	"	"
"	"	30 "	− 8·3 sch.	....	"	"	"
"	"	35 "	− 8·0 sch.	pure	"	"	"
"	"	40 "	− 8·2 sch.	....	"	"	"
"	"	45 "	− 8·6 sch.	....	"	"	"
"	"	50 "	− 9·1 sch.	....	"	"	"
"	"	60 "	−12·2 sch.	....	"	"	"
"	"	70 "	−23·4 sch.	....	"	"	"
Aniline	C_6H_7N	1 W.	−0·164	B., 16, 3054	Raoult	C. R., 97, 941	**46**, 255
"	"	(?)	−0·7 ch.	....	Guthrie	P. M. [5], 18, 105	**48**, 337
Cyanmethine	$C_6H_9N_3$	0·6553 W.	−0·04	....	Paterno	B., 19, 2529	
"	"	0·6651 W.	−0·04	....	"	"	
"	"	1·1095 W.	−0·07	....	"	"	
"	"	1·6528 W.	−0·13	....	"	"	
"	"	2·1684 W.	−0·16	....	"	"	
"	"	3·7103 W.	−0·26	....	"	"	
"	"	4·1646 W.	−0·28	....	"	"	
"	"	7·6970 W.	−0·42	....	"	"	
"	"	13·8540 W.	−0·64	....	"	"	
Triethylamine (b.p. 88°)	$C_6H_{15}N$	5 p.c.	−1·0 I.	....	Guthrie	P. M. [5], 18, 28	**48**, 337
"	"	10 "	−2·0 I.	....	"	"	"
"	"	15 "	−2·9 I.	....	"	"	"
"	"	18 "	−3·4 I.	....	"	"	"
"	"	19·1 p.c.	−3·8 ch.	....	"	"	"
"	"	20 "	−3·5 sch.	....	"	"	"
"	"	30 "	−4·1 sch.	....	"	"	"
"	"	40 "	−5·1 sch.	....	"	"	"
"	"	50 "	−6·7 sch.	....	"	"	"
"	"	70 "	−13·6 sch.	....	"	"	"
"	"	80 "	−20·6 sch.	....	"	"	"
Nicotine	$C_{10}H_{14}N_2$	1 W.	−0·124	B., 16, 3054	Raoult	C. R., 97, 941	**46**, 255
Chloral hydrate	$C_2H_3Cl_3O_2$	1 W.	−0·114	B., 15, 1749	Raoult	C. R., 94, 1518	**44**, 7, 952
Chlorethyl alcohol	C_2H_5ClO	$+4H_2O$	−11 to −17	$CH_2Cl.CH_2OH$	Bouchardat	C. R., 100, 454	**48**, 499
Aniline hydrochloride	C_6H_8ClN	1 p.c.	−0·2 I.	....	Guthrie	P. M. [5], 18, 105	**48**, 337
" "	"	4 "	−1·0 I.	....	"	"	"
" "	"	5 "	−1·3 I.	....	"	"	"
" "	"	6 "	−1·6 I.	....	"	"	"

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Aniline hydrochloride	C_6H_8ClN	7 p.c.	−1·9 I.	....	Guthrie	P. M. [5], 18, 105	**48**, 337
„ „	„	8 „	−2·2 I.	....	„	„	„
„ „	„	9 „	−2·5 I.	....	„	„	„
„ „	„	10 „	−2·8 I.	....	„	„	„
„ „	„	11 „	−3·0 I.	....	„	„	„
„ „	„	12 „	−3·3 I.	....	„	„	„
„ „	„	13 „	−3·6 I.	....	„	„	„
„ „	„	20 „	−5·7 I.	....	„	„	„
„ „	„	25 „	−7·2 I.	....	„	„	„
„ „	„	30 „	−9·0 I.	....	„	„	„
„ „	„	31·86 p.c.	−10·7 ch.	−10·5	„	„	„
„ „	„	35 „	−8·0 S.	....	„	„	„
„ „	„	40·35 „	0 S.	....	„	„	„
„ „	„	46·72 „	+13·1 S.	....	„	„	„
Trimethylethylammoniumiodide	$C_5H_{14}IN$	1 W.	−0·160	B.r., 17, 196	Raoult	C. R., 98, 510	**46**, 701
Carbamide (urea)	CH_4ON_2	1 W.	−0·286	B., 15, 1749	„	C. R., 94, 1518	**44**, 7, 952
„ nitrate	$CH_5O_4N_3$	8·57 p.c.	−4·0 ch.	−4·5	Guthrie	P. M. [5], 6, 39	**36**, 428
Acetamide	C_2H_5ON	1 W.	−0·301	B., 15, 1749	Raoult	C. R., 94, 1518	**44**, 7, 952
Diammoninm oxalate	$C_2H_8O_4N_2$	2·8 p.c.	−0·2 ch.	....	Guthrie	P. M. [4], 49, 268	
Tetramethylammonium hydroxide	$C_4H_{13}ON$	1 W.	−0·404	B., 16, 3054	Raoult	C. R., 97, 941	**46**, 255
Trimethylethylammonium „	$C_5H_{15}ON$	1 W.	−0·353	„	„	„	„
Aniline nitrate	$C_6H_8O_3N_2$	2 p.c.	−0·4 I.	....	Guthrie	P. M. [5], 18, 106	**48**, 337
„ „	„	4 „	−0·8 I.	....	„	„	„
„ „	„	6 „	−1·1 I.	....	„	„	„
„ „	„	8 „	−1·5 I.	....	„	„	„
„ „	„	10 „	−2·0 I.	....	„	„	„
„ „	„	10·61 „	−2·2 ch.	−2·2	„	„	„
„ „	„	10·94 „	0 S.	....	„	„	„
„ „	„	15·58 „	+13·1 S.	....	„	„	„
Ditetramethylammonium oxide	$C_8H_{24}ON_2$	10 „	−16	....	„	P. M. [5], 18, 501	
Aniline salicylate	$C_{13}H_{13}O_3N$	0·24 „	− 0·06 ch.	....	„	P. M. [5], 18, 108	**48**, 337
„ „	„	0·28 „	0 S.	....	„	„	„
„ „	„	0·65 „	+ 6·2 S.	....	„	„	„
„ „	„	0·77 „	+16·8 S.	....	„	„	„
Dianiline oxalate	$C_{14}H_{16}O_4N_2$	0·14 „	− 0·4 ch.	....	„	P. M. [5], 18, 107	„
„ „	„	0·29 „	0 S.	....	„	„	„
„ „	„	1·29 „	+14·5 S.	....	„	„	„
Aniline pyrogallate	....	9·09 „	−1·0 I.	....	„	P. M. [5], 18, 109	„
„ „	....	20·00 „	−2·7 I.	....	„	„	„
„ „	....	23·98 „	−4·6 ch.	−4·6	„	„	„
„ „	....	33·65 „	0 S.	....	„	„	„
„ „	....	46·00 „	+17·8 S.	....	„	„	„
Dianiline sulphate	$C_{12}H_{16}O_4SN_2$	1 p.c.	−0·1 I.	....	Guthrie	P. M. [5], 18, 107	**48**, 337
„ „	„	2 „	−0·2 I.	....	„	„	„
„ „	„	4·5 „	−0·6 I.	....	„	„	„
„ „	„	4·83 „	−0·9 ch.	−0·8	„	„	„
„ „	„	4·91 „	0 S.	....	„	„	„
„ „	„	5·84 „	+13·1 S.	....	„	„	„
„ „	„	15·35 „	+100 S.	....	„	„	„
Silver potassium cyanide	$AgK(CN)_2$	1 W.	−0·156	....	Raoult	C. R., 99, 915	**48**, 122
Barium formate	$Ba(CHO_2)_2$	1 W.	−0·215	....	„	C. R., 98, 1047	**46**, 808
„ acetate	$Ba(C_2H_3O_2)_2$	1 W.	−0·193	....	„	„	„
„ malate	$BaC_4H_4O_5$	1 W.	−0·075	....	„	„	„
„ cobalticyanide	$Ba_3(CoCy_6)_2$	1 W.	−0·063	....	„	C. R., 98, 1048	„
Calcium acetate	$Ca(C_2H_3O_2)_2$	?	?	−11·8	Guthrie	P. M. [5], 6, 44	**36**, 428
Copper „	$Cu(C_2H_3O_2)_2$	1 W.	−0·171	...	Raoult	C. R., 98, 1047	**46**, 808
Mercuric cyanide	$Hg(CN)_2$	7·44 p.c.	−0·45 ch.	−0·6	Guthrie	P. M. [5], 6, 40	**36**, 428
„ „	„	1 W.	−0·059	....	Raoult	C. R., 87, 169	**36**, 4

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Mercuric cyanide	$Hg(CN)_2$	1 W.	*−0·069*	....	Raoult	C. R., 98, 1047	**46**, 808
„ potassium cyanide	$HgK_2(CN)_4$	1 W.	−0·150	....	„	C. R., 99, 915	**46**, 122
Potassium oxalate	$K_2C_2O_4$	1 W.	−0·271	B.r., 17, 196	„	C. R., 98, 510	**46**, 701
„ „	„	17·62 p.c.	−6·3 ch.	− 6·2	Guthrie	P. M. [5], 6, 40	**36**, 428
„ cyanide	KCN	?	−33·0	−21·1	„	P. M. [5], 6, 44	„
„ „	„	1 W.	−0·495	B.r., 17, 196	Raoult	C. R., 98, 510	**46**, 701
„ formate	$KCHO_2$	1 W.	−0·419	„	„	C. R., 98, 509	„
„ acetate	$KC_2H_3O_2$	1 W.	−0·352	„	„	„	„
„ tartrate	$K_2C_4H_4O_6$	1 W.	−0·160	„	„	C. R., 98, 510	„
„ thiocyanate	KCSN	1 W.	−0·342	„	„	„	„
„ methylic sulphate	KCH_3O_4S	10 p.c.	−2·3 I.	....	Illingworth	P. M. [5], 18, 125	**48**, 1339
„ „	„	15 „	−3·6 I.	....	„	„	„
„ „	„	20 „	−5·0 I.	....	„	„	„
„ „	„	30 „	−8·0 I.	....	„	„	„
„ „	„	39·84 p.c.	−11·8 ch.	−11·3	„	„	„
„ „	„	40 p.c.	−11·5 S.	....	„	„	„
„ „	„	47·08 p.c.	0 S.	....	„	„	„
„ „	„	54·8	+12·3 S.	....	„	„	„
„ ethylic sulphate	$KC_2H_5O_4S$	10 p.c.	− 2·2 I.	....	„	„	„
„ „	„	20 „	− 4·9 I.	....	„	„	„
„ „	„	30 „	− 8·2 I.	....	„	„	„
„ „	„	40 „	−12·1 I.	....	„	„	„
„ „	„	45·01 p.c.	−14·2 ch.	−13·9	„	„	„
„ „	„	50 p.c.	−6·0 S.	....	„	„	„
„ „	„	53·71 p.c.	0 S.	....	„	„	„
„ „	„	62·35 „	−15·0 S.	....	„	„	„
„ amylic sulphate	$KC_5H_{11}O_4S$	10 p.c.	−1·9 I.	....	„	„	„
„ „	„	20 „	−4·3 I.	....	„	„	„
„ „	„	24·03 p.c.	−5·4 ch.	−5	„	„	„
„ „	„	25 p.c.	−4·8 S.	....	„	„	„
„ „	„	33·44 p.c.	0 S.	....	„	„	„
„ „	„	59·46 „	+17·3 S.	....	„	„	„
„ cobalticyanide	K_3CoCy_6	1 W.	−0·146	B.r., 17, 196	Raoult	C. R., 98, 510	**46**, 701
„ ferricyanide	K_3FeCy_6	1 W.	−0·146	....	„	C. R., 87, 169	**36**, 4
„ „	„	1 W.	*−0·144*	B.r., 17, 196	„	C. R., 98, 511	**46**, 701
„ „	„	19·8 to 24 p.c.	−3·9 ch.	−3·9	Guthrie	P. M. [5], 6, 39	**36**, 428
„ ferrocyanide	K_4FeCy_6	11·9 p.c.	−1·7 ch.	−1·61	„	„	„
„ „	„	1 W.	−0·110	B.r., 17, 196	Raoult	C. R., 98, 511	**46**, 701
„ antimonious tartrate	$KSbC_4H_4O_7$	1 W.	−0·055	....	„	C. R., 98, 1047	**46**, 808
Magnesium acetate	$Mg(C_2H_3O_2)_2$	1 W.	−0·344	....	„	„	„
„ succinate	$MgC_4H_4O_4$	1 W.	−0·171	....	„	„	„
„ malate	$MgC_4H_4O_5$	1 W.	−0·124	....	„	„	„
„ citrate	$Mg_3(C_6H_5O_7)_2$	1 W.	−0·022	....	„	C. R., 98, 1048	„
Sodium oxalate	$Na_2C_2O_4$	?	−1·7 ch.	....	Guthrie	P. M. [5], 6, 44	**36**, 428
„ formate	$NaCHO_2$	?	viscid−14	−14·3	„	„	„
„ acetate	$NaC_2H_3O_2$	5 p.c.	− 2·2 I.	....	„	P. M. [5], 2, 215	viii., 1008
„ „	„	10 „	− 5·1 I.	....	„	„	„
„ „	„	15 „	− 9·1 I.	....	„	„	„
„ „	„	20 „	−14·0 I.	....	„	„	„
„ „	„	22 „	−16·0 I.	....	„	„	„
„ „	„	23·3 p.c.	−18·0 ch.	−18	„	„	„
„ „	„	26·6 „	0 S+$2H_2O$	....	„	„	„
„ „	„	1 W.	−0·390	B.r., 17, 196	Raoult	C. R., 98, 509	**46**, 701
Monosodium tartrate	$NaC_4H_5O_6$	1 W.	−0·181	„	„	C. R., 98, 510	„
Monosodium citrate	$NaC_6H_7O_7$	1 W.	−0·125	„	„	„	„
Disodium citrate	$Na_2C_6H_6O_7$	1 W.	−0·161	„	„	„	„
Trisodium „	$Na_3C_6H_5O_7$	1 W.	−0·186	„	„	„	„
„ „	„	?	....	−11·3	Guthrie	P. M. [5], 6, 44	**36**, 428
Sodium nitroprusside	$Na_2FeCy_5(NO)$	1 W.	−0·179	B.r., 17, 196	Raoult	C. R., 98, 510	**46**, 701
Lead acetate	$Pb(C_2H_3O_2)_2$	1 W.	−0·068	....	„	C. R., 98, 1047	**46**, 808

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Lead acetate	Pb.$(C_2H_3O_2)_2$	18·0 p.c.	−1·4 ch.	−1·7	Guthrie	P. M. [5], 6, 38	**36**, 428
Zinc „	$Zn(C_2H_3O_2)_2$	23·0 „	−5·9 ch.	....	„	P. M. [5], 6, 41	„
Gum arabic	....	1 to 30 p.c.	0 I.	....	Guthrie	P. M. [5], 2, 220	**31**, 36
„ „	....	35 p.c.	0 to−0·5 I.	....	„	„	„
„ „	....	45 „	−1·2 I.	....	„	„	„
Gelatine	....	5 to 20 p.c.	0 I.	....	„	P. M. [5], 2, 222	„
Albumen	....	5 p.c.	0 to 0·2 I.	....	„	P. M. [5], 2, 221	„
„	....	10 „	0 to 0·3 I.	....	„	„	„
„	....	13·37 p.c.	0 to−0·5 I.	....	„	„	„
20 p.c. gelatine+20 p.c. gum arabic +20 p.c. H_2O	....	....	0	....	„	P. M. [5], 2, 222	„

B.—MIXTURES WITH BENZENE, C_6H_6.

(See Raoult, C.R., 95, 1031 ; 102, 1307 ; A.C. [6], 2, 66 ; Jour. Chem. Soc., 44, 278 ; 46, 952 ; 50, 763.)

Hexane	C_6H_{14}	1 W.	−0·597	....	Raoult	C. R., 95, 188	**42**, 1260
Naphthalene (**46**, 952)	$C_{10}H_8$	1 W.	−0·391	A. C. [6], 2, 66	„	„	„
Terebenthene	$C_{10}H_{16}$	1 W.	−0·366	....	„	„	„
Anthracene	$C_{14}H_{10}$	1 W.	−0·287	....	„	„	„
Carbon tetrachloride	CCl_4	1 W.	−0·333	....	„	„	„
„ disulphide	CS_2	1 W.	−0·654	....	„	„	„
Trichlormethane	$CHCl_3$	1 W.	−0·428	....	„	„	„
Ethylene dichloride	$C_2H_4Cl_2$	1 W.	−0·491	....	„	„	„
Ethyl bromide	C_2H_5Br.	1 W.	−0·461	....	„	„	„
Methyl iodide (**46**, 952)	CH_3I	1 W.	−0·335	A. C. [6], 2, 66	„	„	„
Ethyl „	C_2H_5I	1 W.	−0·331	....	„	„	„
Formic acid	CH_2O_2	1 W.	−0·504	....	„	A. C. [6], 2, 66	**46**, 952
Methyl alcohol	CH_4O	1 W.	−0·791	....	„	„	„
Ethyl aldehyde	C_2H_4O	1 W.	−1·107	....	„	C. R., 95, 188	**42**, 1260
Acetone	C_3H_6O	1 W.	−0·850	....	„	„	„
Ethylic formate (**46**, 952)	$C_3H_6O_2$	1 W.	−0·666	A. C. [6], 2, 66	„	„	„
Dimethylic oxalate	$C_4H_6O_4$	1 W.	−0·417	....	„	„	„
Diethyl oxide....	$C_4H_{10}O$	1 W.	−0·671	....	„	„	„
Benzoic aldehyde	C_7H_6O	1 W.	−0·473	....	„	„	„
Ethylic valerate	$C_7H_{14}O_2$	1 W.	−0·384	....	„	„	„
Methylic methylsalicylate	$C_9H_{10}O_3$	1 W.	−0·339	....	„	„	„
Valerone	$C_9H_{18}O$	1 W.	−0·359	....	„	„	„
Camphor	$C_{10}H_{16}O$	1 W.	−0·338	....	„	„	„
Lapachone	$C_{15}H_{14}O_3$	1·796 W.	−0·32	....	Paterno	B., 19, 2529	
Lapachic acid....	„	1·096 W.	−0·21	....	„	„	
Santonide	$C_{15}H_{18}O_3$	2·182 W.	−0·42	....	„	„	
Glycerol tributyrate....	$C_{15}H_{26}O_6$	1 W.	−0·161	....	Raoult	C. R., 95, 188	**42**, 1260
„ trioleate	$C_{57}H_{104}O_6$	1 W.	−0·056	....	„	„	„
Diethyl sulphide	$C_4H_{10}S$	1 W.	−0·576	....	„	„	„
Ethyl cyanide	C_3H_5N	1 W.	−0·938	....	„	„	„
Chloral	C_2HCl_3O	1 W.	−0·342	....	„	„	„
Methylic nitrate	CH_3O_3N	1 W.	−0·640	....	„	„	„
Trinitroglycerol	$C_3H_5O_9N_3$	1 W.	−0·220	....	„	„	„
Nitrobenzine	$C_6H_5O_2N$	1 W.	−0·390	....	„	„	„
Allyl thiocarbimide	C_4H_5SN	1 W.	−0·519	....	„	„	„

C.—MIXTURES WITH NAPHTHALENE, $C_{10}H_8$.

(See Raoult, C. R., 102, 1307 ; A. C. [6], 2, 66 ; Jour. Chem. Soc., 46, 952 ; 50, 763.)

Name.	Formula.	Composition.	Freezing Point.	Temperature of Cryogen.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Acetic acid	$C_2H_4O_2$	1 W.	−0·306	....	Raoult	A. C. [6], 2, 66	**46**, 952
Stearic acid	$C_{18}H_{36}O_2$	100 acid	56	....	Courtonne	C. R., 95, 923	**44**, 177
„	„	„ + 7·5 $C_{10}H_8$	53·5	....	„	„	„
„	„	„ + 15 „	51·5	....	„	„	„
„	„	„ + 22·5 „	50·0	....	„	„	„
„	„	„ + 40 „	47·0	....	„	„	„
„	„	„ + 45 „	47·5	....	„	„	„
„	„	„ + 50 „	47·6	....	„	„	„
„	„	„ + 79 „	55·6	....	„	„	„
„	„	„ + 90 „	58·5	....	„	„	„
„	„	„ +135 „	66·0	....	„	„	„
„	„	„ +270 „	73·0	....	„	„	„
„	„	0 „ +100 „	79·0	....	„	„	„

D.—CARBON DISULPHIDE AND ETHYL ALCOHOL.

Carbon disulphide and ethyl alcohol	C_2H_6O	5·06 p.c.	clear −18·4	....	Guthrie	P. M. [5], 18, 504	
„ „	„	10·46 „	turbid −14·4	....	„	„	
„ „	„	15·11 „	„ −15·9	....	„	„	
„ „	„	20·04 „	„ −16·1	....	„	„	
„ „	„	34·89 „	„ −17·7	....	„	„	
„ „	„	40·42 „	clear −20	....	„	„	
„ „	„	50·09 „	„ „	....	„	„	
„ „	„	60·04 „	„ „	....	„	„	
„ „	„	70·08 „	„ „	....	„	„	

E.—MIXTURES WITH ETHYLENE DIBROMIDE, $C_2H_4Br_2$.

(See Raoult, C. R., 95, 1030 ; 102, 1307 ; A. C. [6], 2, 66 ; Jour. Chem. Soc., 44, 278 ; 46, 952 ; 50, 763.)

F.—MIXTURES WITH FORMIC ACID, CH_2O_2.

(See Raoult, C. R., 95, 1031 ; A. C. [6], 2, 66 ; Jour. Chem. Soc., 44, 278 ; 46, 953.)

G.—MIXTURES WITH ACETIC ACID, $C_2H_4O_2$.

(See Raoult, C. R., 95, 1031 ; A. C. [6], 2, 66 ; Jour. Chem. Soc., 44, 278 ; 46, 952.)

Hydrochloric acid	HCl	1 W.	−0·471	....	Raoult	A. C. [6], 2, 66	**46**, 952
Sulphuric acid	H_2SO_4	1 W.	−0·189	....	„	„	„
„ „	„	0·5 W.	+16·4	....	Rüdorff	B., 3, 393	
Methyl iodide	CH_3I	1 W.	−0·273	....	Raoult	A. C. [6], 2, 66	**46**, 952
Formic acid	CH_2O_2	1 W.	−0·793	....	„	„	„
Ethyl alcohol	C_2H_6O	1·8 W.	+15·25	....	Rüdorff	B., 3, 393	
Picrotoxide hydrate	$C_{15}H_{18}O_7$	1·0339 W.	−0·15	....	Paterno	B., 19, 2529	
„ „	„	1·2106 W.	−0·16	....	„	„	
Picrotoxin	$C_{30}H_{34}O_{13}$	0·9926 W.	−0·18	....	„	„	
„	or $C_{12}H_{14}O_5$	1·046 W.	−0·19	....	„	„	
Cyaumethine	$C_6H_9N_3$	1·342 W.	−0·26	....	„	„	

H.—MISCELLANEOUS MIXTURES.

Name.	Formula.	Composition.	Melting Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Thymol and various compounds	....	Details not given	....	....	Raoult	C. R., 102, 1307	**50**, 763
β-Naphthol and iodoform	$C_{10}H_8O$ & CHI_3	pure CHI_3	119	....	Brügelmann	B., 17, 2363	
„ „	„	from 10 to 90 p.c. CHI_3	102	....	„	„	
„ „	„	pure $C_{10}H_8O$	122	....	„	„	
Suberic and azelaic acids	$C_8H_{14}O_4$ & $C_9H_{16}O_4$	pure $C_9H_{16}O_4$	106	....	Ganttner & Hell	B., 14, 1547	
„ „	„	95 p.c. „	104	....	„	„	
„ „	„	90 „ „	103·5	....	„	„	
„ „	„	86 „ „	98·5	....	„	„	
„ „	„	81 „ „	98	....	„	„	
„ „	„	76 „ „	96	....	„	„	
„ „	„	72 „ „	98–100	....	„	„	
„ „	„	66 „ „	99–101	....	„	„	
„ „	„	62 „ „	106–109	....	„	„	
„ „	„	57 „ „	108–109	....	„	„	
„ „	„	51 „ „	115	....	„	„	
„ „	„	42 „ „	123	....	„	„	
„ „	„	31 „ „	124–128	....	„	„	
„ „	„	21 „ „	125–130	....	„	„	
„ „	„	10 „ „	135–136	....	„	„	
„ „	„	pure $C_8H_{14}O_4$	140	....	„	„	
Benzoic and cinnamic acids	$C_7H_6O_2$ & $C_9H_8O_2$	pure $C_9H_8O_2$	133·3	....	Kachler	B., 2, 515	
„ „	„	99 p.c. „	131·8	....	„	„	
„ „	„	90 „ „	126·6	....	„	„	
„ „	„	80 „ „	118·0	....	„	„	
„ „	„	70 „ „	108·2	....	„	„	
„ „	„	60 „ „	98·7	....	„	„	
„ „	„	50 „ „	84·3	....	„	„	
„ „	„	40 „ „	87·1	....	„	„	
„ „	„	30 „ „	101·4	....	„	„	
„ „	„	20 „ „	106·4	....	„	„	
„ „	„	10 „ „	111·5	....	„	„	
„ „	„	1 „ „	118·2	....	„	„	
„ „	„	pure $C_7H_6O_2$	123·3	....	„	„	
Phenylacetic and hydrocinnamic acids	$C_8H_8O_2$ & $C_9H_{10}O_2$	pure $C_8H_8O_2$	melts completely 77	....	Salkowski	B., 18, 323	**48**, 602
„ „	„	90 p.c. „	„ 71·5	....	„	„	„
„ „	„	80 „ „	„ 65·5	....	„	„	„
„ „	„	70 „ „	„ 58	....	„	„	„
„ „	„	60 „ „	„ 50	....	„	„	„
„ „	„	50 „ „	„ 39·5	....	„	„	„
„ „	„	47·6 „ „	„ 37·5	....	„	„	„
„ „	„	40 „ „	„ 26·5	....	„	„	„
„ „	„	37·5 „ „	„ 25·5	....	„	„	„
„ „	„	35 „ „	„ 21·0	....	„	„	„
„ „	„	32·5 „ „	„ 25·5	....	„	„	„
„ „	„	30 „ „	„ 27·0	....	„	„	„
„ „	„	20 „ „	„ 33·0	....	„	„	„
„ „	„	10 „ „	„ 41·5	....	„	„	„
„ „	„	pure $C_9H_{10}O_2$	„ 47·5	....	„	„	„
Nitrobenzene and various compounds	....	A. C. [6], 2, 66	....	....	C. R., 95, 1030; 102, 1307	....	**44**, 278; **46**, 953; **50**, 763
		1·2 & 1·3 m.p.	1·2 & 1·4 m.p.	1·3 & 1·4 m.p.			
Mixtures of nitrobenzoic acids	proportion 10 : 10	92–98	200	165–205	Widnmann	B., 10, 1159	**32**, 783
„ „	„ 10 : 5	125	142–190	127–185	„	„	„
„ „	„ 10 : 1	140	141	130–155	„	„	„
„ „	„ 10 : 0·5	144	145	132–133	„	„	„
„ „	„ 10 : 0·2	146	147	134–135	„	„	„

Name.	Formula.	Composition.	Melting Point.	Melting Point.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
		1·2 and 1·3.	1·2 and 1·4.	1·3 and 1·4.			
		m.p.	m.p.	m.p.			
Mixtures of nitrobenzoic acids	proportion 10 : 0·1	146	145	135–136	Widnmann	B., 10, 1159	**32**, 783
" "	" 0·1 : 10	132–135	233–237	236–238	"	"	"
" "	" 0·2 : 10	132–134	228–235	232–237	"	"	"
" "	" 0·5 : 10	132–140	222–235	215–234	"	"	"
" "	" 1 : 10	132–133	200–225	205–230	"	"	"
" "	" 5 : 10	112	210–216	195–208	"	"	"
" " ...	pure acid	140–141 (m)	238 (p)	149 (o)	"	"	"
Sodium acetate and nitrate	$C_2H_3NaO_2$	pure $C_2H_3NaO_2$	319	....	Brügelmann	B., 17, 2364	
" "	"	50 p.c. $NaNO_3$	complete 100	....	"	"	
" "	"	pure $NaNO_3$	310–330	....	"	"	
Acetic and sulphuric acids and water	100 pts. HAc $+2$ pts. H_2SO_4	$+10$ pts. H_2O	5·8	....	Rüdorff	B., 3, 393	
" "	100 pts. HAc $+20$ pts. H_2SO_4	$+10$ pts. H_2O	10·7	....	"	"	
Chlorethyl alcohol, hydrochloric acid, and water	$2(CH_2Cl.CH_2OH)$ $+HCl$	$+8H_2O$	10·6	....	Bouchardat	C. R., 100, 454	**48**, 499

IV.—MISCELLANEOUS MELTING AND BOILING POINT DATA (FATS, OILS, &c.).

m.p. = melting point. s.p. = solidifying point. b.p. = boiling point. r.s. = resolidifies. sp. gr. = specific gravity.

Name.	Melting, Boiling, and Solidifying Point.	Remarks.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Hatchettine	m.p. 54–64	Mineral	Dewalque	Jahr. f. Mineralogie	**48**, 220
Picropodophyllin	m.p. 200–210	Comp. unknown	Podwissotsky	B., 15, 337; P.J. [3], 12, 1011	**42**, 976
Sikimine	m.p. 175	„ „	Eykmann	B., 14, 1721; P.J. [3], 11, 1046	**40**, 919
Paraffin oil....	s.p.—35	sp. gr. 0·810	Coleman	C. N., 51, 174	
„ wax	m.p. 38—52; b.p. 350–390	soft; sp. gr. 0·87–0·88	Landolt	Phys.-Chem. Tabellen, 139	
„ „	m.p. 52–56; b.p. 390–430	hard; sp. gr. 0·88–0·93	„	„ „	
„ „	m.p. 49·6–53·2; r.s. 49·6–53	....	Rüdorff	P. A., 145, 279	**26**,238; **vii.**,605
„ „	m.p. 49·5	....	Wolff	D. P., 217, 411	**viii.**, 937
Petroleum	s.p.—52	sp. gr. 0·790	Coleman	C. N., 51, 174	
„	b.p. 40–70	sp. gr. 0·65–0·66	Landolt	Phys.-Chem. Tabellen, 139	
Ligroin (for lamps) ...	b.p. 110–120	sp. gr. 0·7–0·73	„	„ „	
Photogen „	b.p. 170–245	sp. gr. 0·76–0·8	„	„ „	
Solar oil „	b.p. 245–310	sp. gr. 0·80–0·83	„	„ „	
Gasolin (for oil extraction)	b.p. 70–90	sp. gr. 0·66–0·69	„	„ „	
Benzin	b.p. 90–110	sp. gr. 0·69–0·70	„	„ „	
Putzöl, Lacköl	b.p. 120–170	sp. gr. 0·73–0·76	„	„ „	
Schmieröl	b.p. 310–350	sp. gr. 0·83–0·87	„	„ „	
Cider	s.p.—2·0	= 4·8 p.c. alcohol	Raoult	C. R., 90, 867; A. C. [5], 20, 207; B., 13, 1883	**38**, 523
Beer	s.p.—2·8	= 6·3 „ „	„	„ „	„
Vin ordinaire (rouge)	s.p.—2·7	= 6·8 „ „	„	„ „	„
„ „ (blanc)	s.p.—3·0	= 7·0 „ „	„	„ „	„
Beaujolais	s.p.—4·4	= 10·3 „ „	„	„ „	„
Bordeaux rouge	s.p.—5·2	= 11·8 „ „	„	„ „	„
Bourgogne rouge	s.p.—5·7	= 13·1 „ „	„	„ „	„
Roussillon rouge	s.p.—6·9	= 15·2 „ „	„	„ „	„
Marsala	s.p.—10·1	= 20·7 „ „	„	„ „	„
Palm oil (fresh, soft)	m.p. 30; r.s. 21	sp. gr. 0·905	Wimmel	P. A., 133, 121	
„ (fresh, hard)	m.p. 38; r.s. 24	....	„	„	
„ (old)	m.p. 42; r.s. 38	....	„	„	
Tea oil	does not solidify—13·3	sp. gr. 0·9175 at 15·5°	Davies	P. J. [3], 15, 634	**48**, 1022
Wood oil	„ „ —13·3	sp. gr. 0·9401 at 15·5°	„	„	„
Cabbage oil	s.p.—12	sp. gr. 0·914 at 15·5°	„	„	„
Spermaceti....	m.p. 44–44·5; r.s. 44	sp. gr. 0·88–0·94	Wimmel	P. A., 133, 121	
„	m.p. 43·5–44·3; r.s. 43·4–44·2	....	Rüdorff	P. A., 145, 279	**26**,238; **vii.**,605
„	m.p. 45·2	....	Wolff	D. P., 217, 411	**viii.**, 937
Beeswax (yellow)	m.p. 62–62·5; r.s. 62	sp. gr. 0·96–0·965	Wimmel	P. A., 133, 121	
„ (white)	m.p. 63–63·5; r.s. 63	sp. gr. 0·96–0·969	„	„	
„ (yellow)....	m.p. 63·4; r.s. 61·5–62·6	....	Rüdorff	P. A., 145, 279	**26**,238; **vii.**,605
„ (white)	m.p. 61·8; r.s. 61·6	....	„	„	„
„ (yellow)....	m.p. 64	....	Wolff	D. P., 217, 411	**viii.**, 937
„ (white)	m.p. 62·8	....	„	„	„
Ceresin	m.p. 71·35	....	„	„	„
Japan wax....	m.p. 53·5–54·5; r.s. 40·5–41	sp. gr. 0·992	Wimmel	P. A., 133, 121	
„ „	m.p. 50·4–51·0	....	Rüdorff	P. A., 145, 279	**vii.**, 605
„ „	m.p. 41·3	....	Wolff	D. P., 217, 411	**viii.**, 937
Butter (fresh)	m.p. 31–31·5; r.s. 19–20	sp. gr. 0·865–0·868	Wimmel	P. A., 133, 121	

Name.	Melting, Boiling, and Solidifying Point.	Remarks.	Authority.	Reference.	Watts' Dict. & J. Ch. Soc.
Butter (tub)	m.p. 32·5; 32–37; r.s. 24	sp. gr. 0·94	Wimmel	P. A., 133, 121	
„	m.p. 26·4; r.s. 23·8	Gives 87·5–88 per cent. of insoluble fat acids; s.p. 37·5	Dubois and Padé	B. S., 43, 207	**48**, 844
„ (pure)	r.s. 34		Münzel	B., 14, 1125	
„	r.s. 37	+10 p.c. horse fat	„	„	
„	r.s. 40	+20 „	„	„	
„	r.s. 44	+30 „	„	„	
„	r.s. 40	+10 p.c. sebum tabulat	„	„	
„	r.s. 43	+20 „ „	„	„	
„	r.s. 46	+30 „ „	„	„	
„	r.s. 38	+10 p.c. adeps suillus	„	„	
„	r.s. 41	+20 „ „	„	„	
„	r.s. 43	+30 „ „	„	„	
„	r.s. 40	+25 p.c. margarin butter	„	„	
„	r.s. 48	+50 „ „	„	„	
Margarin butter	r.s. 56	....	„	„	
Nutmeg „	m.p. 43·5–44; r.s. 33	....	Wimmel	P. A., 133, 121	
„ „	m.p. 70–80	....	Rüdorff	P. A., 145, 279	vii., 605
Beef fat (fresh)	m.p. 43; r.s. 33	sp. gr. 0·968	Wimmel	P. A., 133, 121	
„ (old)	m.p. 43·5; r.s. 34	....	„	„	
„	m.p. 43·5–45; r.s. 27–35	....	Rüdorff	P. A., 145, 279	vii., 605
„	m.p. 42·2; r.s. 41·5	Gives 94·2 per cent. of insoluble fat acids; s.p. 44·2	Dubois	B. S., 43, 207	**48**, 844
Mutton fat (fresh)	m.p. 47; r.s. 36	sp. gr. 0·92	Wimmel	P. A., 133, 121	
„ (old)	m.p. 50·5; r.s. 39·5	....	„	„	
„	m.p. 46·5–47·4; r.s. 32–36	....	Rüdorff	P. A., 145, 279	vii., 605
„	m.p. 45·6	....	Wolff	D. P., 217, 411	viii., 937
„	m.p. 46·6; r.s. 44	Gives 94·5 per cent. of insoluble fat acids; s.p. 49·4	Dubois	B. S., 43, 207	**48**, 844
Veal fat	m.p. 37·2; r.s. 35·9	Gives 94·54 per cent. of insoluble fat acids; s.p. 42·7	„	„	„
Lard	m.p. 33·2; r.s. 33	Gives 93·4 per cent. of insoluble fat acids; s.p. 42	„	„	„
„	m.p. 41·5–42; r.s. 30	sp. gr. 0·92–0·94	Wimmel	P. A., 133, 121	
Margarin	m.p. 39·6; r.s. 38·4	Gives 95·6 per cent. of insoluble fat acids; s.p. 95·6	Dubois	B. S., 43, 207	**48**, 844
Cocoa butter	m.p. 33·5–34; r.s. 20·5	sp. gr. 0·89–0·91	Wimmel	P. A., 133, 121	
„ „	m.p. 33·5	....	Rüdorff	P. A., 145, 279	vii., 605
„ „	m.p. 31·8	....	Wolff	D. P., 217, 411	viii., 937
„ „	m.p. 31·6; r.s. 30·2	Gives 94·73 per cent. of insoluble fat acids; s.p. 48·8	Dubois	B. S., 43, 207	**48**, 844
Cocosöl	m.p. 24·5; r.s. 20–20·5	....	Wimmel	P. A., 133, 121	
Illipé fat	m.p. 32·8; r.s. 31	Gives 95·64 per cent. of insoluble fat acids; s.p. 50·6	Dubois	B. S., 43, 207	**48**, 844
Nitromolasses	b.p. 180–200	Explodes 220–250	Gilles	D. P., 255, 337	**48**, 852

V.—VOLUMES AND CORRESPONDING YEARS OF ISSUE OF THE MORE IMPORTANT CHEMICAL AND PHYSICAL PERIODICALS.

Philosophical Transactions of the Royal Society of London.

Year.	Volume.
1781	71
1782	72
1783	73
1784	74
1785	75
1786	76
1787	77
1788	78
1789	79
1790	80
1791	81
1792	82
1793	83
1794	84
1795	85
1796	86
1797	87
1798	88
1799	89
1800	90
1801	91
1802	92
1803	93
1804	94
1805	95
1806	96
1807	97
1808	98
1809	99
1810	100
1811	101
1812	102
1813	103
1814	104
1815	105
1816	106
1817	107
1818	108
1819	109
1820	110
1821	111
1822	112
1823	113
1824	114
1825	115
1826	116
1827	117
1828	118
1829	119
1830	120
1831	121
1832	122
1833	123
1834	124
1835	125
1836	126
1837	127
1838	128
1839	129
1840	130
1841	131
1842	132
1843	133
1844	134
1845	135
1846	136
1847	137
1848	138
1849	139
1850	140
1851	141
1852	142
1853	143
1854	144
1855	145
1856	146
1857	147
1858	148
1859	149
1860	150
1861	151
1862	152
1863	153
1864	154
1865	155
1866	156
1867	157
1868	158
1869	159
1870	160
1871	161
1872	162
1873	163
1874	164
1875	165
1876	166
1877	167
1878	168, 169
1879	170
1880	171
1881	172
1882	173
1883	174
1884	175
1885	176
1886	177

Proceedings of the Royal Society of London.

Year.	Volume.
1832	1
1833	2
1837	3
1843	4
1851	5
1854	6
1856	7
1857	8
1859	9
1860	10
1862	11
1863	12
1864	13
1865	14
1867	15
1868	16
1869	17
1870	18
1871	19
1872	20
1873	21
1874	22
1875	23
1876	24
1877	25, 26
1878	27
1879	28, 29
1880	30
1881	31, 32
1882	33
1883	34, 35
1884	36, 37
1885	38, 39
1886	40, 41
1887	42

NOTE.—Vols. 1–3 are abstracts of the papers printed in *The Philosophical Transactions*, viz.:—

1800–1814	1
1815–1830	2
1830–1837	3

Vols. 4–6 are abstracts of papers communicated to the Royal Society.

1837–1843	4
1843–1850	5
1850–1854	6

Journal of the Chemical Society of London.

Year.	Volume.
1849	1
1850	2
1851	3
1852	4
1853	5
1854	6
1855	7
1856	8
1857	9
1858	10
1859	11
1860	12
1861	13
1862	14, 15
1863	16
1864	17
1865	18
1866	19
1867	20
1868	21
1869	22
1870	23
1871	24
1872	25
1873	26
1874	27
1875	28
1876	29, 30
1877	31, 32
1878	33, 34
1879	35, 36
1880	37, 38
1881	39, 40
1882	41, 42
1883	43, 44
1884	45, 46
1885	47, 48
1886	49, 50
1887	51, 52

Chemical News. Ed. by W. Crookes.

Year.	Volume.
1860	1, 2
1861	3, 4
1862	5, 6
1863	7, 8
1864	9, 10
1865	11, 12
1866	13, 14
1867	15, 16
1868	17, 18
1869	19, 20
1870	21, 22
1871	23, 24
1872	25, 26
1873	27, 28
1874	29, 30
1875	31, 32
1876	33, 34
1877	35, 36
1878	37, 38
1879	39, 40
1880	41, 42
1881	43, 44
1882	45, 46
1883	47, 48
1884	49, 50
1885	51, 52
1886	53, 54
1887	55

The Philosophical Magazine and Journal of Science (London).

Year.	Volume.
1798	1, 2
1799	3–5
1800	6–8
1801	9–11
1802	12–14
1803	15–17
1804	18–20
1805	21–23
1806	24–26
1807	27–29
1808	30–32
1809	33, 34
1810	35, 36
1811	37, 38
1812	39, 40
1813	41, 42
1814	43, 44
1815	45, 46
1816	47, 48
1817	49, 50
1818	51, 52
1819	53, 54
1820	55, 56
1821	57, 58
1822	59, 60
1823	61, 62
1824	63, 64
1825	65, 66
1826	67, 68

2nd Series.

Year.	Volume.
1827	1, 2
1828	3, 4
1829	5, 6
1830	7, 8
1831	9, 10
1832	11

3rd Series.

Year.	Volume.
1832	1
1833	2, 3
1834	4, 5
1835	6, 7
1836	8, 9
1837	10, 11
1838	12, 13
1839	14, 15
1840	16, 17
1841	18, 19
1842	20, 21
1843	22, 23
1844	24, 25
1845	26, 27
1846	28, 29
1847	30, 31
1848	32, 33
1849	34, 35
1850	36, 37

4th Series.

Year.	Volume.
1851	1, 2
1852	3, 4
1853	5, 6
1854	7, 8
1855	9, 10
1856	11, 12
1857	13, 14
1858	15, 16
1859	17, 18
1860	19, 20
1861	21, 22
1862	23, 24
1863	25, 26
1864	27, 28
1865	29, 30
1866	31, 32
1867	33, 34
1868	35, 36
1869	37, 38
1870	39, 40
1871	41, 42
1872	43, 44
1873	45, 46
1874	47, 48
1875	49, 50

5th Series.

Year.	Volume.
1876	1, 2
1877	3, 4
1878	5, 6
1879	7, 8
1880	9, 10
1881	11, 12
1882	13, 14
1883	15, 16
1884	17, 18
1885	19, 20
1886	21, 22
1887	23

Transactions of the Royal Society of Edinburgh.

Year.	Volume.
1788	1
1790	2
1794	3
1798	4
1805	5
1812	6
1815	7
1818	8
1823	9
1826	10
1831	11
1834	12
1836	13
1839	14
1844	15
1845	16, 17
1848	18
1849	19
1853	20
1857	21
1861	22
1864	23
1867	24
1869	25
1872	26
1876	27
1879	28
1880	29
1882	30
1883	31
1884	32

Proceedings of the Royal Society of Edinburgh.

Year.	Volume.
1832–44	1
1844–50	2
1850–57	3
1857–62	4
1862–66	5
1866–69	6
1869–72	7
1872–75	8
1875–78	9
1878–80	10
1880–82	11
1882–84	12
1884–86	13

Journal of the Society of Chemical Industry.

Year.	Volume.
1882	1
1883	2
1884	3
1885	4
1886	5
1887	6

Quarterly Journal of Science (Royal Institution, London).

Year.	Volume.
1816	1
1817	2, 3
1818	4, 5
1819	6, 7
1820	8, 9
1821	10, 11
1822	12, 13
1823	14, 15
1824	16, 17
1825	18, 19
1826	20, 21
1827	22, 23
1828	24, 25
1829	26, 27
1830	28, 29
1831	30, 31

Pharmaceutical Journal and Transactions. (London.)

1st Series.

Year.	Volume.
1841–2	1
1842–3	2
1843–4	3
1844–5	4
1845–6	5
1846–7	6
1848	7
1849	8
1850	9
1851	10
1852	11
1853	12
1854	13
1855	14
1856	15
1857	16
1858	17
1859	18

2nd Series.

Year.	Volume.
1860	1
1861	2
1862	3
1863	4
1864	5
1865	6
1866	7
1867	8
1868	9
1869	10
1870	11

3rd Series.

Year.	Volume.
1871	1
1872	2
1873	3
1874	4
1875	5
1876	6
1877	7
1878	8
1879	9
1880	10
1881	11
1882	12
1883	13
1884	14
1885	15
1886	16
1887	17

Proceedings of the Manchester Literary and Philosophical Society.

Year.	Volume.
1857–60	1
1862	2
1864	3
1865	4
1866	5
1867	6
1868	7
1869	8
1870	9
1871	10
1872	11
1873	12
1874	13
1875	14
1876	15
1877	16
1878	17
1879	18
1880	19
1881	20
1882	21
1883	22
1884	23
1885	24
1886	25
1887	26

The Analyst. (Ed. by Wigner & Muter, London.)

Year.	Volume.
1876	1
1877	2
1878	3
1879	4
1880	5
1881	6
1882	7
1883	8
1884	9
1885	10
1886	11
1887	12

American Chemical Journal. (Ed. Remsen, Boston.)

Year.	Volume.
1879–80	1
1881	2
1882	3
1883	4
1884	5
1885	6
1886	7
1887	8

Journal of the American Chemical Society. (New York.)

1st Series.

Year.	Volume.
1877	1

2nd Series.

Year.	Volume.
1879	1
1880	2
1881	3
1882	4
1883	5
1884	6
1885	7
1886	8

American Journal of Science and Arts (Silliman's Journal).

1st Series.

Year.	Volume.
1818	1
1820	2
1821	3
1822	4, 5
1823	6
1824	7, 8
1825	9
1826	10, 11
1827	12
1828	13, 14
1829	15, 16
1830	17, 18
1831	19, 20
1832	21, 22
1833	23, 24
1834	25–27
1835	28, 29
1836	30, 31
1837	32, 33
1838	34, 35
1839	36, 37
1840	38, 39
1841	40, 41
1842	42, 43
1843	44, 45
1844	46, 47
1845	48, 49

2nd Series.

Year.	Volume.
1846	1, 2
1847	3, 4
1848	5, 6
1849	7, 8
1850	9, 10
1851	11, 12
1852	13, 14
1853	15, 16
1854	17, 18
1855	19, 20
1856	21, 22
1857	23, 24
1858	25, 26
1859	27, 28
1860	29, 30
1861	31, 32
1862	33, 34
1863	35, 36
1864	37, 38
1865	39, 40
1866	41, 42
1867	43, 44
1868	45, 46
1869	47, 48
1870	49, 50

3rd Series.

Year.	Volume.
1871	1, 2
1872	3, 4
1873	5, 6
1874	7, 8
1875	9, 10
1876	11, 12
1877	13, 14
1878	15, 16
1879	17, 18
1880	19, 20
1881	21, 22
1882	23, 24
1883	25, 26
1884	27, 28
1885	29, 30
1886	31, 32

Memoirs of the American Academy of Arts and Sciences. (Boston.)

Year.	Volume.
1833	1
1846	2
1848	3
1849	4
1855	5
1857	6
1860	7
1861	8
1867	9 n.s.
1868	10
1876	11
1877	12
1878	13
1879	14
1880	15
1881	16
1882	17
1883	18
1884	19
1885	20
1886	21
1887	22

Annalen der Chemie und Pharmacie, continued from Vol. 169 [1873] under the title "Justus Liebig's Annalen der Chemie und Pharmacie."

Year.	Volume.
1832	1– 4
1833	5– 8
1834	9–12
1835	13–16
1836	17–20
1837	21–24
1838	25–28
1839	29–32
1840	33–36
1841	37–40
1842	41–44
1843	45–48
1844	49–52
1845	53–56
1846	57–60
1847	61–64
1848	65–68

Year.	Volume.
1849	69– 72
1850	73– 76
1851	77– 80
1852	81– 84
1853	85– 88
1854	89– 92
1855	93– 96
1856	97–100
1857	101–104
1858	105–108
1859	109–112
1860	113–116
1861	117–120
1862	121–124
1863	125–128
1864	129–132
1865	133–136
1866	137–140
1867	141–144
1868	145–148
1869	149–152
1870	153–156
1871	157–160
1872	161–164
1873	165–170
1874	171–174
1875	175–179
1876	180–183
1877	184–189
1878	190–194
1879	195–199
1880	200–205
1881	206–210
1882	211–215
1883	216–221
1884	222–226
1885	227–231
1886	232–237
1887	238–

Supplements:—

Year.	Volume.
1861/2	1
1862/3	2
1864/5	3
1865/6	4
1867	5
1868	6
1870	7
1872	8

Registers :—

Year.	Volume.
1843	1– 40
1855	40– 76
1861	1–100
1861	101–116
1874	117–164 and Spl. 1–8
1885	165–220

Berichte der Deutschen Chemischen Gesellschaft. (Berlin.)

Year.	Volume.
1868	1
1869	2
1870	3
1871	4
1872	5
1873	6
1874	7
1875	8
1876	9
1877	10
1878	11
1879	12
1880	13
1881	14
1882	15
1883	16
1884	17
1885	18
1886	19
1887	20

Register :—

Year.	Volume.
1880	1–10

Annalen der Physik und Chemie.

Gilbert's Annalen :—

Year.	Volume.
1799	1– 3
1800	4– 6
1801	7– 9
1802	10–12
1803	13–15
1804	16–18
1805	19–21
1806	22–24
1807	25–27
1808	28–30
1809	31–33
1810	34–36
1811	37–39
1812	40–42
1813	43–45
1814	46–48
1815	49–51
1816	52–54
1817	55–57
1818	58–60
1819	61–63
1820	64–66
1821	67–69
1822	70–72
1823	73–75
1824	76

Poggendorff's Annalen :—

Year.	Volume.
1824	1, 2
1825	3– 5
1826	6– 8
1827	9– 11
1828	12– 14
1829	15– 17
1830	18– 20
1831	21– 23
1832	24– 26
1833	27– 30
1834	31– 33
1835	34– 36
1836	37– 39
1837	40– 42
1838	43– 45
1839	46– 48
1840	49– 51
1841	52– 54
1842	55– 57
1843	58– 60
1844	61– 63
1845	64– 66
1846	67– 69
1847	70– 72
1848	73– 75
1849	76– 78
1850	79– 81
1851	82– 84
1852	85– 87
1853	88– 90
1854	91– 93
1855	94– 96
1856	97– 99
1857	100–102
1858	103–105
1859	106–108
1860	109–111
1861	112–114
1862	115–117
1863	118–120
1864	121–123
1865	124–126
1866	127–129
1867	130–132
1868	133–135
1869	136–138
1870	139–141
1871	142–144
1872	145–147
1873	148–150
1874	151–153
1875	154–156
1876	157–159
1877	160

Ergänzungbänder :—

Year.	Volume.
1842	1
1848	2
1853	3
1854	4
1871	5
1874	6
1876	7
1878	8

Registers :—

Year.	Volume.
1845	1– 60
1854	61– 90
1865	91–120
1875	Sach-Reg., 121–150
1875	Nam.-Reg., 1–150

Wiedemann's Annalen :—

Year.	Volume.
1877	1, 2
1878	3– 5
1879	6– 8
1880	9–11
1881	12–14
1882	15–17
1883	18–20
1884	21–23
1885	24–26
1886	27–29
1887	30

Beiblätter :—

Year.	Volume.
1877	1
1878	2
1879	3
1880	4
1881	5
1882	6
1883	7
1884	8
1885	9
1886	10
1887	11

Journal für Praktische Chemie. (Leipzig.)

Erdmann's Journal :—

Year.	Volume.
1834	1– 3
1835	4– 6
1836	7– 9
1837	10–12
1838	13–15
1839	16–18
1840	19–21
1841	22–24
1842	25–27
1843	28–30
1844	31–33
1845	34–36
1846	37–39
1847	40–42
1848	43–45
1849	46–48
1850	49–51
1851	52–54
1852	55–57
1853	58–60
1854	61– 63
1855	64– 66
1856	67– 69
1857	70– 72
1858	73– 75
1859	76– 78
1860	79– 81
1861	82– 84
1862	85– 87
1863	88– 90
1864	91– 93
1865	94– 96
1866	97– 99
1867	100–102
1868	103–105
1869	106–108

Registers :—

Year.	Volume.
1844	1– 30
1854	31– 60
1865	61– 90
1871	91–108

Kolbe's Journal :—

Year.	Volume.
1870	1, 2
1871	3, 4
1872	5, 6
1873	7, 8
1874	9, 10
1875	11, 12
1876	13, 14
1877	15, 16
1878	17, 18
1879	19, 20
1880	21, 22
1881	23, 24
1882	25, 26
1883	27, 28
1884	29, 30
1885	31, 32
1886	33, 34
1887	35

Zeitschrift für Analytische Chemie. (Frezenius, Wiesbaden.)

Year.	Volume.
1862	1
1863	2
1864	3
1865	4
1866	5
1867	6
1868	7
1869	8
1870	9
1871	10
1872	11
1873	12
1874	13
1875	14
1876	15
1877	16
1878	17
1879	18
1880	19
1881	20
1882	21
1883	22
1884	23
1885	24
1886	25
1887	26

Registers :—

Year.	Volume.
1872	1–10
1882	1–20

Dingler's Polytechnisches Journal.

Year.	Volume.
1820	1– 3
1821	4– 6
1822	7– 9
1823	10– 12
1824	13– 15
1825	16– 18
1826	19– 22
1827	23– 26
1828	27– 30
1829	31– 34
1830	35– 38
1831	39– 42
1832	43– 47
1833	48– 50
1834	51– 54
1835	55– 58
1836	59– 62
1837	63– 66
1838	67– 70
1839	71– 74
1840	75– 78
1841	79– 82
1842	83– 86
1843	87– 90
1844	91– 94
1845	95– 98
1846	99–102
1847	103–106
1848	107–110
1849	111–114
1850	115–118
1851	119–122
1852	123–126
1853	127–130
1854	131–134
1855	135–138
1856	139–142
1857	143–146
1858	147–150
1859	151–154
1860	155–158
1861	159–162

Year.	Volume.
1862	163–166
1863	167–170
1864	171–174
1865	175–178
1866	179–182
1867	183–186
1868	187–190
1869	191–194
1870	195–198
1871	199–202
1872	203–206
1873	207–210
1874	211–214
1875	215–218
1876	219–222
1877	223–226
1878	227–230
1879	231–234
1880	235–238
1881	239–242
1882	243–246
1883	247–250
1884	251–254
1885	255–258
1886	259–262
1887	263

Registers:—

1843	1– 78
1850	79–118
1860	119–158

Chemisches Centralblatt. (Leipzig.)

Up to Vol. 20 (1849), entitled "Pharmaceutisches Centralblatt."

1830	1
1831	2
1832	3
1833	4
1834	5
1835	6
1836	7
1837	8
1838	9
1839	10
1840	11
1841	12
1842	13
1843	14
1844	15
1845	16
1846	17
1847	18
1848	19
1849	20
1850	21 n.s.
1851	22
1852	23
1853	24
1854	25
1856	26 n.s.
1857	27
1858	28
1859	29
1860	30
1861	31
1862	32
1863	33
1864	34
1865	35
1866	36
1867	37
1868	38
1869	39
1870	40 n.s.
1871	41
1872	42
1873	43
1874	44
1875	45
1876	46
1877	47
1878	48
1879	49
1880	50
1881	51
1882	52
1883	53
1884	54
1885	55
1886	56
1887	57

Register :—

1870/81	1–12.

Chemiker-Zeitung. (Krause, Cöthen.)

1877	1
1878	2
1879	3
1880	4
1881	5
1882	6
1883	7
1884	8
1885	9
1886	10
1887	11

Repertorium der Analytischen Chemie. (Skalweit, Hannover.)

1881	1
1882	2
1883	3
1884	4
1885	5
1886	6
1887	7

Jenaische Zeitschrift für Medicin und Naturwissenschaft. (Leipzig.)

1864	1
1866	2
1867	3
1868	4
1870	5
1871	6
1873	7
1874	8
1875	9
1876	10
1877	11
1878	12
1879	13
1880	14
1881/2	15
1882/3	16
1884	17
1884/5	18
1885	19

Sitzungsberichte d. Math.-Phys. Classe d. Kgl. Bair. Akad. d. Wiss. zu München.

1871	1
1872	2
1873	3
1874	4
1875	5
1876	6
1877	7
1878	8
1879	9
1880	10
1881	11
1882	12
1883	13
1884	14
1885	15
1886	16
1887	17

Carl, Repertorium der Experimental-Physik.

1865	1
1866	2
1867	3
1868	4
1869	5
1870	6
1871	7
1872	8
1873	9
1874	10
1875	11
1876	12
1877	13
1878	14
1879	15
1880	16
1881	17
1882	18
1883	19
1884	20
1885	21
1886	22
1887	23

Jahresbericht der Reinen Chemie. (Staedel, Tübingen.)

1873	1
1874	2
1875	3
1876	4
1877	5
1878	6
1879	7
1880	8
1881	9
1882	10
1883	11
1884	12
1885	13

Jahresbericht der Reinen, Pharmaceutischen und Technischen Chemie. (Giessen.)

Liebig and Kopp.

1847/8	1
1849	2
1850	3
1851	4
1852	5
1853	6
1854	7
1855	8
1856	9

Kopp and Will.

1857	10
1858	11
1859	12
1860	13
1861	14
1862	15
1863	16

Engelbach and Will.

1864	17
1865	18
1866	19
1867	20

Strecker.

1868	21
1869	22

Naumann.

1870	23
1871	24
1872	25
1873	26
1874	27

Fittica.

1875	28
1876	29
1877	30
1878	31
1879	32
1880	33
1881	34
1882	35
1883	36
1884	37
1885	38
1886	39

Registers :—

1847/56	1– 9
1857/66	10–19
1867/76	20–29

Zeitschrift für Physiologische Chemie. (Hoppe-Seyler, Strassburg.)

1877	1
1878	2
1879	3
1880	4
1881	5
1882	6
1883	7
1884	8
1885	9
1886	10

Handwörterbuch der Chemie. (Liebig, Poggendorff, and Wöhler.)

1842	1, 2
1848	3
1849	4
1851	5
1854	6
1859	7
1861	8
1864	9
1850	Suppl.-bd.

Neues Handwörterbuch der Chemie. (Fehling.)

1871	1
1875	2
1878	3
1886	4, 5

Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften zu Wien, Math.-Natw. Classe.

1848	1
1849	2, 3
1850	4, 5
1851	6, 7
1852	8, 9
1853	10, 11
1854	12–14
1855	15–18
1856	19–21
1857	22–27
1858	28–33
1859	34–38
1860	39–42
1861	43
1862	44, 45
1863	46–48
1864	49
1865	50–52
1866	53, 54
1867	55, 56
1868	57, 58
1869	59, 60
1870	61, 62
1871	63, 64
1872	65, 66
1873	67, 68
1874	69, 70
1875	71, 72
1876	73, 74
1877	75, 76
1878	77, 78
1879	79, 80
1880	81, 82
1881	83, 84
1882	85, 86
1883	87, 88
1884	89, 90

Monatshefte für Chemie zu Wien.

Year.	Volume.
1880	1
1881	2
1882	3
1883	4
1884	5
1885	6
1886	7
1887	8

Comptes rendus de l'Académie des Sciences. (*Paris.*)

Year.	Volume.
1835	1
1836	2, 3
1837	4, 5
1838	6, 7
1839	8, 9
1840	10, 11
1841	12, 13
1842	14, 15
1843	16, 17
1844	18, 19
1845	20, 21
1846	22, 23
1847	24, 25
1848	26, 27
1849	28, 29
1850	30, 31
1851	32, 33
1852	34, 35
1853	36, 37
1854	38, 39
1855	40, 41
1856	42, 43
1857	44, 45
1858	46, 47
1859	48, 49
1860	50, 51
1861	52, 53
1862	54, 55
1863	56, 57
1864	58, 59
1865	60, 61
1866	62, 63
1867	64, 65
1868	66, 67
1869	68, 69
1870	70, 71
1871	72, 73
1872	74, 75
1873	76, 77
1874	78, 79
1875	80, 81
1876	82, 83
1877	84, 85
1878	86, 87
1879	88, 89
1880	90, 91
1881	92, 93
1882	94, 95
1883	96, 97
1884	98, 99
1885	100, 101
1886	102, 103
1887	104

Suppléments:—

Year.	Volume.
1856	1
1861	2

Table générale:—

Year.	Volume.
1853	1–31

Annales de Chimie et de Physique. (*Paris.*)

1st Series.

Year.	Volume.
1789	1– 3
1790	4– 7
1791	8–11
1792	12–15
1793	16–18
1797	19–24
1798	25–27
1799	28–31
1800	32–34
1801	35–39
1802	40–43
1803	44–47
1804	48–51
1805	52–55
1806	56–60
1807	61–64
1808	65–68
1809	69–72
1810	73–76
1811	77–80
1812	81–84
1813	85–88
1814	89–92
1815	93–96

2nd Series.

Year.	Volume.
1816	1– 3
1817	4– 6
1818	7– 9
1819	10–12
1820	13–15
1821	16–19
1822	20, 21
1823	22–24
1824	25–27
1825	28–30
1826	31–33
1827	34–36
1828	37–39
1829	40–42
1830	43–45
1831	46–48
1832	49–51
1833	52–55
1834	56, 57
1835	58–60
1836	61–63
1837	64–66
1838	67–69
1839	70–72
1840	73–75

3rd Series.

Year.	Volume.
1841	1– 3
1842	4– 6
1843	7– 9
1844	10–12
1845	13–15
1846	16–18
1847	19–21
1848	22–24
1849	25–27
1850	28–30
1851	31–33
1852	34–36
1853	37–39
1854	40–42
1855	43–45
1856	46–48
1857	49–51
1858	52–54
1859	55–57
1860	58–60
1861	61–63
1862	64–66
1863	67–69

Tables des Matières:—

Year.	Volume.
1851	1–30
1866	31–69

4th Series.

Year.	Volume.
1864	1– 3
1865	4– 6
1866	7– 9
1867	10–12
1868	13–15
1869	16–18
1870	19–21
1871	22–24
1872	25–27
1873	28–30

Tables des Matières:—

Year.	Volume.
1874	1–30

5th Series.

Year.	Volume.
1874	1–3
1875	4–6
1876	7–9
1877	10–12
1878	13–15
1879	16–18
1880	19–21
1881	22–24
1882	25–27
1883	28–30

6th Series.

Year.	Volume.
1884	1–3
1885	4–6
1886	7–9
1887	10

Répertoire de Chimie pure. (*Wurtz, Paris.*)

Year.	Volume.
1859	1
1860	2
1861	3
1862	4
1863	5

Continued in the following:—

Bulletin de la Société Chimique de Paris.

New Series.
(See above.)

Year.	Volume.
1864	1, 2
1865	3, 4
1866	5, 6
1867	7, 8
1868	9, 10
1869	11, 12
1870	13, 14
1871	15, 16
1872	17, 18
1873	19, 20
1874	21, 22
1875	23, 24
1876	25, 26
1877	27, 28
1878	29, 30
1879	31, 32
1880	33, 34
1881	35, 36
1882	37, 38
1883	39, 40
1884	41, 42
1885	43, 44
1886	45, 46
1887	47

Journal de Pharmacie et de Chimie. (*Paris.*)

1st Series.
(Bulletin de Pharmacie.)

Year.	Volume.
1809	1
1810	2
1811	3
1812	4
1813	5
1814	6

2nd Series.

Year.	Volume.
1815	1
1816	2
1817	3
1818	4
1819	5
1820	6
1821	7
1822	8
1823	9
1824	10
1825	11
1826	12
1827	13
1828	14
1829	15
1830	16
1831	17
1832	18
1833	19
1834	20
1835	21
1836	22
1837	23
1838	24
1839	25
1840	26
1841	27

Tables des Matières:—

Year.	Volume.
1831	1–16
1842	17–27

3rd Series.

Year.	Volume.
1842	1, 2
1843	3, 4
1844	5, 6
1845	7, 8
1846	9, 10
1847	11, 12
1848	13, 14
1849	15, 16
1850	17, 18
1851	19, 20
1852	21, 22
1853	23, 24
1854	25, 26
1855	27, 28
1856	29, 30
1857	31, 32
1858	33, 34
1859	35, 36
1860	37, 38
1861	39, 40
1862	41, 42
1863	43, 44
1864	45, 46

4th Series.

Year.	Volume.
1865	1, 2
1866	3, 4
1867	5, 6
1868	7, 8
1869	9, 10
1870	11, 12
1871	13, 14
1872	15, 16
1873	17, 18
1874	19, 20
1875	21, 22
1876	23, 24
1877	25, 26
1878	27, 28
1879	29, 30

5th Series.

Year.	Volume.
1880	1, 2
1881	3, 4
1882	5, 6
1883	7, 8
1884	9, 10
1885	11, 12
1886	13, 14

Revue Scientifique et Industrielle. (*Paris.*)

1st Series.

Year.	Volume.
1840	1– 3
1841	4– 6
1842	7–11
1843	12–16

2nd Series.

Year.	Volume.
1844	1– 3
1845	4– 7
1846	8–11
1847	12–15

3rd Series.

Year.	Volume.
1848	1, 2
1849	3, 4
1850	5, 6
1851	7– 9

Year.	Volume.
4th Series.	
1852	1
Followed by :—	
Moniteur Scientifique. (Paris.)	
1st Series.	
1857	1
	2
	3
	4
1863	5
2nd Series.	
1864	6
1865	7
1866	8

Year.	Volume.
1867	9
1868	10
1869	11
1870	12
3rd Series.	
1871	13
1872	14
1873	15
1874	16
1875	17
1876	18
1877	19
1878	20
1879	21
1880	22
1881	23
1882	24
1883	25
1884	26

Year.	Volume.
Journal de Physique théor. et appliqué publ. par d'Almeida.	
1st Series.	
1872	1
1873	2
1874	3
1875	4
1876	5
1877	6
1878	7
1879	8
1880	9
1881	10
2nd Series.	
1882	1
1883	2
1884	3

Year.	Volume.
Gazzetta Chimica Italiana. (Paterno, Palermo.)	
1871	1
1872	2
1873	3
1874	4
1875	5
1876	6
1877	7
1878	8
1879	9
1880	10
1881	11
1882	12
1883	13
1884	14
1885	15
1886	16

Year.	Volume.
Recueil des Travaux Chimiques des Pays-Bas. (Van Dorp and others, Leide.)	
1882	1
1883	2
1884	3
1885	4
1886	5
Journal of the Russian Chemical Society. (St. Petersburg.)	
1869	1
1870	2

Year.	Volume.
1871	3
1872	4
1873	5
1874	6
1875	7
1876	8
1877	9
1878	10
1879	11
1880	12
1881	13
1882	14
1883	15
1884	16
1885	17
1886	18

VI.—ALPHABETICAL INDEX OF THE ROOT-COMPOUNDS OF CARBON.

Compounds with the prefixes iso-, pseudo-, alpha-, beta-, ortho-, meta-, para-, dextro-, lævo-, &c., will be found under the primitive name, unless they are non-isomeric with the compound indicated by the latter, in which case they are given under their proper letter. Brom-compounds and iodo-compounds will be found under the corresponding chlor-compounds.

Abietic acid, $C_{44}H_{64}O_5$.
Abietin, $C_{44}H_{60}$; $C_{53}H_{76}O_8$.
Absinthin, $C_{20}H_{28}O_4$; $C_{40}H_{58}O_9$.
Absinthol, $C_{10}H_{16}O$.
Acecaffeïne, $C_6H_{11}O_2N_3$.
Aceconitic acid, $C_6H_6O_6$; $C_6H_3O_6$.
Acenaphthene, $C_{12}H_{10}$.
Acenaphthylene, $C_{12}H_8$.
Acetal, $C_6H_{14}O$.
Acetic acid, $C_2H_4O_2$.
Acetoglyceral, $C_5H_{10}O_3$.
Acetoguanamine, $C_4H_7N_5$.
Acetone, C_3H_6O.
Acetone ether, $C_{17}H_{16}O_4$.
Acetonine, $C_9H_{18}N_2$.
Acetonitril, C_2H_3N.
Acetonuramic acid, $C_5H_{10}O_3N_2$.
Acetonyl carbamide, $C_5H_8O_2N_2$.
Acetophenine, $C_{24}H_{19}N$.
Acetophenone, C_8H_8O.
Acetotannic acid, $C_{17}H_{20}O_9$.
Acetothienone, C_6H_6OS.
Acetoxime, C_3H_7ON.
Acetoximic acid, $C_3H_6O_2N_2$.
Acetulmic acid, $C_{17}H_{12}O_2$.
Aceturic acid, $C_4H_7O_3N$.
Acetylene, C_2H_2.
Acetylglycine, $C_4H_7O_3N$.
Acetylide, $C_{16}H_{18}O_4$.
Achilleïn, $C_{20}H_{38}O_{15}N_2$.
Achilletin, $C_{11}H_{17}O_4N$.
Achrodextrin, $C_6H_{10}O_5$.
Achroglycogen, Z. P. C., 6, 74.
Aconic acid, $C_5H_4O_4$.
Aconine, $C_{26}H_{39}O_{11}N$.
Aconitanilic acid, $C_{12}H_9O_4N$.
Aconitdianil, $C_{18}H_{14}O_3N_2$.
Aconitic acid, $C_6H_6O_6$.
Aconitine, $C_{30}H_{47}O_7N$; $C_{33}H_{43}O_{12}N$.
Acridine, $C_{12}H_9N$.
Acridinic acid, $C_{11}H_7O_4N$.
Acroleïn, C_3H_4O.
„ ammonia, C_6H_9ON.
„ resin, C_3H_4O.
Acropinacone, $C_6H_{10}O_2$.
Acrothialdine, $C_9H_{13}S_2N$.
Acrylcolloid, $C_3H_4O_3$.
Acryldiureïde, $C_5H_{10}O_2N_4$.
Acrylic acid, $C_3H_4O_2$.
Adipic acid, $C_6H_{10}O_4$.
Adipomalic acid, $C_6H_{10}O_5$.
Adipotartaric acid, $C_6H_{10}O_6$.
Aescigenin, $C_{12}H_{20}O_2$.
Aescinic acid, $C_{24}H_{40}O_{12}$.
Aescioxalic acid, $C_7H_6O_4$.
Aescorceïn, $C_9H_7O_5N$.
Aescorcin, $C_9H_8O_4$.
Aesculetin, $C_9H_6O_4$.
Aesculetic acid, $C_9H_{12}O_7$.
Aesculin, $C_{15}H_{16}O_9$; $C_{21}H_{24}O_{13}$.
Aesthesin, $C_{35}H_{69}O_3N$.
Agaricic acid, $C_{16}H_{30}O_5$; $C_xH_yO_z$.
Agaricin, $C_xH_yO_z$.
Agarythrin, B., 16, 244.
Agoniadin, $C_{10}H_{14}O_6$.
Alacreatinine, $C_4H_7ON_3$.
Alanine, $C_3H_7O_2N$.
Alantic acid, $C_{15}H_{22}O_3$.
Alantol, $C_{10}H_{16}O$.
Alban, $C_{10}H_{16}O$; $C_{20}H_{30}O$.
Albumin, $C_{72}H_{112}O_{22}SN_{18}$; $C_{204}H_{322}O_{66}S_2N_{52}$.
Aldehyde green, $C_{22}H_{27}OS_2N_3$.
„ ammonia, $C_4H_{11}O_2N$.
Aldehydine, $C_8H_{11}N$.
Aldehydocollidine, $C_8H_{11}N$.
Aldol, $C_4H_8O_2$.
Alizarin, $C_{14}H_8O_4$.
Alizarin blue, $C_{17}H_9O_4N$.
Alkannin, $C_{15}H_{14}O_4$.
Allanic acid, $C_4H_5O_5N_5$.
Allantoïn, $C_4H_6O_3N_4$.
Allantoic acid, $C_4H_8O_4N_4$.
Allantoxaïdine, $C_3H_3O_2N_3$.
Allantoxanic acid, $C_4H_3O_4N_3$.
Allanturic acid, $C_3H_4O_3N_2$.
Alliturie acid, $C_6H_6O_4N_4$.
Allocaffeïne, $C_8H_9O_5N_3$.
Allophanic acid, $C_2H_4O_2N_2$.
Alloxan, $C_4H_2O_4N_2$.
Alloxanic acid, $C_4H_4O_5N_2$.
Alloxantin, $C_8H_4O_7N_4$.
Alluranic acid, $C_5H_4O_4N_4$.
Allylene, C_3H_4.
Allylene digalleïn, $C_{15}H_{12}O_6$.
Aloëresinic acid, $C_7H_3O_6N$; $C_{15}H_{16}O_7$.
Aloëretinic acid, $C_{30}H_{34}O_{15}$.
Aloëtinic acid, $C_7H_2O_5N_2$.
Aloëxanthin, $C_{15}H_{10}O_6$.
Aloïn, $C_{15}H_{16}O_7$; $C_{16}H_{18}O_7$; $(C_{15}H_{17}O)_n$.
Aloïsol, $C_6H_3O_3$; $C_6H_{16}O_3$.
Alorcinic acid, $C_9H_{10}O_3$.
Alpinin, $C_{17}H_{12}O_5$; $C_{17}H_{12}O_6$.
Alstonidin, $C_aH_bO_cN_d$.
Alstonin, $C_{21}H_{20}O_4N_2$.
Amalic acid, $C_{12}H_{14}O_8N_4$.
Amanitin, $C_5H_{15}O_2N$.
Amaric acid, $C_{46}H_{42}O_6$.
Amarine, $C_{21}H_{18}N_2$.
Amarone, $C_{16}H_{11}N$.
Amasatin, $C_{16}H_{14}O_3N_4$.
Ambraïn, $C_{25}H_{48}O$.
Amenthic acid, $C_7H_{14}O_2$.
Amisatin, $C_{48}H_{39}O_9N_{11}$.
Ammelide, $C_6H_9O_3N_9$.
Ammelin, $C_3H_5ON_5$.
Amydecylenic acid, $C_{10}H_{18}O_2$.
Amygdalin, $C_{20}H_{27}O_{11}N$.
Amygdalinic acid, $C_{20}H_{26}O_{12}$.
Amylan, $C_6H_{10}O_5$.
Amylene, C_5H_{10}.
Amylin, $C_3H_{18}O_3$.
Amylenguanamine, $C_8H_{16}N_5$.
Amylodextrin, $C_{36}H_{62}O_{31}$.
Amylum, $C_{24}H_{38}O_{19}$.
Amyrin, $C_{20}H_{34}O$; $C_{25}H_{42}O$; $C_{47}H_{78}O_2$.
Anacardic acid, $C_{22}H_{32}O_3$; $C_{44}H_{64}O_7$.
Anamirtic acid, $C_{35}H_{70}O_4$.
Anamirtin, $C_{19}H_{24}O_{10}$; $C_{19}H_{36}O_2$.
Andromedotoxin, B., 16, 429, 798.
Anchoic acid, $C_9H_{16}O_4$.
Anemonin, $C_{15}H_{12}O_6$.
Anemonic acid, $C_{15}H_{14}O_7$.
Anethenol, $C_{10}H_{16}O$.
Anethol, $C_{10}H_{12}O$.
Angelic acid, $C_5H_8O_2$.
Angelin, $C_{10}H_{13}O_3N$.
Anhydrodiacetylacetamidil, $C_6H_8ON_2$.
Anhydrolupinin, $C_{21}H_{38}ON_2$.
Anhydrotolylketamine, $C_{27}H_{180}N_4$.
Aniline, C_6H_7N.
Aniline black, $C_{30}H_{25}N_5$.
Aniline blue, $C_{33}H_{31}N_3$.
Aniline brown, J. [1863], 785 ; [1865], 857.
Aniline gray, J. [1866], 906.
Aniluvitonic acid, $C_{11}H_9O_2N$.
Anisamine, $C_8H_{11}ON$; $C_{16}H_{19}O_2N$.
Anishumin, $C_{18}H_{14}O_3$.
Anishydramide, $C_{24}H_{24}O_3N_2$.
Anishydroxamic acid, $C_8H_9O_3N$.
Anisic acid, $C_8H_8O_3$.
„ camphor, $C_{10}H_{16}O$.
Anisidine, C_7H_9ON.
Anisil, $C_{16}H_{14}O_4$.
Anisilic acid, $C_{16}H_{16}O_5$.
Anisine, $C_{24}H_{24}O_3N_2$.
Anisoic acid, $C_{10}H_{18}O_6$.
Anisoïn, $C_{10}H_{12}O$; $C_{16}H_{16}O_4$.
Anisol, C_7H_8O.
Anisolquinine, $C_{50}H_{60}O_5N_4$.
Anisuric acid, $C_{10}H_{11}O_4N$.
Anisuramic acid, $C_9H_{15}O_4N_2$.
Anol, $C_9H_{10}O$.
Anthemol, $C_{10}H_{16}O$.
Anthracene, $C_{14}H_{10}$.
Anthracene orange, $C_aH_bO_cN_d$.
Anthrachrysone, $C_{14}H_8O_6$.
Anthracylamine, $C_{14}H_{11}N$.
Anthraflavic acid, $C_{14}H_8O_4$.
Anthragallol, $C_{14}H_8O_5$.
Anthramine, $C_{14}H_{11}N$.
Anthranil, C_7H_5ON.
Anthranilic acid, $C_7H_7O_2N$.
Anthranol, $C_{14}H_{10}O$.
Anthrapurpurin, $C_{14}H_8O_5$.
Anthraquinoline, $C_{17}H_{11}N$.
Anthraquinone, $C_{14}H_8O_2$.
Anthrarufin, $C_{14}H_8O_4$.
Anthrol, $C_{14}H_{10}O$.
Anthropocholic acid, $C_{18}H_{28}O_4$.
Anthropodyslysin, $C_{18}H_{26}O_3$.
Anthroxanic acid, $C_8H_5O_3N$.
Antiarin, $C_{14}H_{20}O_5$.
Antiar resin, $C_{16}H_{24}O$.
Antronol, $C_{16}H_{14}$.
Apachoic acid, $C_{15}H_{14}O_3$.
Aphrodäscin, $C_{52}H_{82}O_{23}$.
Apigenin, $C_{15}H_{10}O_5$.
Apiin, $C_{24}H_{28}O_{13}$; $C_{27}H_{32}O_{16}$.
Apiol, $C_{12}H_{14}O_4$.
Apoaconitine, $C_{33}H_{41}O_{11}N$.
Apoatropine, $C_{17}H_{21}O_2N$.
Apocaffeïne, $C_7H_7O_5N_3$.
Apochinine, $C_{18}H_{17}O_2N$.
Apocinchene, $C_{19}H_{17}ON$.
Apocinchonicine, $C_{19}H_{22}ON_2$.
Apocinchonidine, $C_{19}H_{22}ON_2$.
Apocinchonine, $C_{19}H_{22}ON_2$.
Apocodeïne, $C_{18}H_{19}O_2N$.
Apocolchiceïne, M. C., 4, 163.
Apoconquinine, $C_{19}H_{22}O_2N_2$.
Apocyneïn, B., 16, 255.
Apocynin, B., 16, 255.
Apoglucinic acid, $C_9H_{10}O_5$; $C_{18}H_{22}O_{11}$.
Apomorphine, $C_{17}H_{17}O_2N$.
Apophyllic acid, $C_8H_7O_4N$.
Apopseudaconine, $C_{27}H_{39}O_8N$.
Apopseudaconitine, $C_{36}H_{47}O_{11}N$.

Apoquinamine, $C_{19}H_{22}ON_2$.
Apoquinine, $C_{19}H_{22}O_2N_2$.
Aposorbic acid, $C_5H_8O_7$.
Apotheobromine, $C_6H_5O_6N_3$.
Arabin, $C_{12}H_{22}O_{11}$.
Arabinose, $C_6H_{12}O_6$.
Arabinic acid, $C_{12}H_{22}O_{11}$.
Arachidic acid, $C_{20}H_{40}O_2$.
Araliin, B., 14, 1112; 15, 2746.
Arbutin, $C_{12}H_{16}O_7$.
Arcyldiglycollic acid, $C_{11}H_{12}O_6$.
Argyraescetin, $C_{21}H_{30}O_6$.
Argyraescin, $C_{27}H_{42}O_{12}$.
Aribine, $C_{23}H_{20}N_4$.
Aricine, $C_{23}H_{26}O_4N_2$.
Arnicin, $C_{20}H_{30}O_4$.
Arsenobenzene, $C_{12}H_{10}As_2$.
Asarin, $C_{20}H_{26}O_5$.
Asarone, $C_{12}H_{16}O_3$; $C_{20}H_{26}O_6$.
Asclepione, $C_{20}H_{34}O_3$.
Asebotoxin, $C_xH_7O_2$.
Aserpetin, $C_{15}H_{22}O_4$.
Asparagine, $C_4H_8O_3N_2$.
Asparaginic acid, $C_4H_7O_4N$.
Aspidosamine, $C_{22}H_{28}O_2N_2$.
Aspidospermatine, $C_{22}H_{28}O_2N_2$; not $C_{23}H_{28}O_2N_2$.
Aspidospermine, $C_{22}H_{30}O_2N_2$.
Assamar, A., 49, 3.
Athamantin, $C_{24}H_{30}O_7$.
Atherosperma resin, $C_{21}H_{32}O_5$.
Atisine, $C_{46}H_{74}O_5N_2$.
Atractyligenin, $C_xH_yO_z$.
Atractylin, $C_{20}H_{30}O_6$.
Atractylic acid, $C_{30}H_{54}O_{18}S_2$.
Atraic acid, $C_{16}H_{18}O_5$.
Atranoric acid, $C_{19}H_{18}O_8$.
Atranorinic acid, $C_9H_{10}O_4$.
Atraric acid, $C_{10}H_{16}O_8$; $C_{10}H_{10}O_5$.
Atroglyceric acid, $C_9H_{10}O_4$.
Atrolactic acid, $C_9H_{10}O_3$.
Atrolactyltropeïne, $C_{17}H_{23}ON$.
Atrolinic acid, $C_{16}H_{18}O_5$.
Atronic acid, $C_{17}H_{14}O_2$.
Atronine sulphone, $C_{16}H_{10}O_2S$.
Atronol, $C_{18}H_{14}$.
Atronylene, $C_{16}H_{12}$.
Atropatropeïne, $C_{17}H_{21}O_2N$.
Atropic acid, $C_9H_8O_2$.
Atropine, $C_{17}H_{23}O_3N$; not $C_{17}H_{23}ON$.
Atroxindole, C_9H_9ON.
Aurantia, $C_{12}H_5O_{12}N_7$.
Aurantiin, $C_{23}H_{26}O_{12}$.
Aurin, $C_{19}H_{14}O_3$.
Australene, $C_{10}H_{16}$.
Austrapyrolene, $C_{10}H_{16}$.
Axinic acid, $C_{18}H_{22}O_2$.
Axlepione, $C_{20}H_{34}O_3$.
Azelaic acid, $C_9H_{16}O_4$.
Azimidobenzene, $C_6H_5N_3$.
Azobenzene, $C_{12}H_{10}N_2$.
Azobenzoïlide, $C_{42}H_{33}N_5$.
Azobenzoyl, $C_{22}H_{16}N_2$.
Azodioxindole, $C_8H_6O_2N_2$.
Azodiphenyl blue, $C_{18}H_{15}N_3$.
Azoerythrin, A., 39, 40.
Azolitmin, A., 39, 57.
Azoncarbonic acid, $C_5H_3O_5N$.
Azophenine, $C_{36}H_{29}ON_5$; not $C_{36}H_{29}N_5$.
Azoxindole, $C_8H_6ON_2$.
Azuline, $C_{26}H_{22}O_2N_2$.
Azulmic acid, $C_4H_5ON_5$.
Azulmoxine, $C_4H_3O_2N_5$.
Azurine, $C_{35}H_{32}O_3N_4$.

Balata, $C_{10}H_{16}$.
Baphic acid, $C_{24}H_{22}O_{10}$.
Baphiin, $C_{12}H_{10}O_4$.
Baphinitin, C_4H_4O.
Baphinitone, $C_{26}H_{26}O_6$.
Barbaloïn, $C_{16}H_{18}O_7$.
Barbatic acid, $C_{19}H_{20}O_7$.
Barbituric acid, $C_4H_4O_3N_2$.
Basilicum camphor, $C_{10}H_{22}O$.
Bassorin, $C_6H_{10}O_5$.
Bebirine, $C_{19}H_{21}O_3N$.
Beech wax, $C_{27}H_{54}O_2$.
Behenic acid, $C_{22}H_{44}O_2$.
Belladonine, $C_{17}H_{23}O_3N$.
Benylene, $C_{15}H_{28}$.
Benolic acid, $C_{22}H_{40}O_2$.
Benomargaric acid, $C_{15}H_{30}O_2$.
Benostearic acid, $C_{22}H_{44}O_2$.
Benzacine, $C_{32}H_{27}ON_3$.
Benzacrylic acid, $C_8H_6O_2$.
Benzamarone, $C_{70}H_{56}O_4$.
Benzamil, $C_{28}H_{20}O_2N_2$ (?).
Benzamsuccinic acid, $C_{11}H_{11}O_5N$.
Benzaurin, $C_{19}H_{14}O_2$.
Benzcreatine, $C_9H_{11}O_2N_3$.
Benzcyanidine, $C_{24}H_{19}O_2N$.
Benzdioxyanthraquinone, $C_{14}H_8O_4$.
Benzene, C_6H_6.
Benzeneresorcinphthaleïn, $C_{20}H_{14}O_4$.
Benzenylamidoxime, $C_7H_8ON_2$.
Benzenylazoximecarbinol, $C_8H_6O_2N_2$.
Benzerythrene, $C_{24}H_{18}$.
Benzfuril, $C_{12}H_8O_3$.
Benzfurilic acid, $C_{12}H_{10}O_4$.
Benzfuroïn, $C_{12}H_{10}O_3$.
Benzglycocyamine, $C_8H_9O_2N_3$.
Benzhydramide, $C_{22}H_{18}ON_2$.
Benzhydrol, $C_{13}H_{12}O$.
Benzhydrolene, $C_{13}H_{10}$.
Benzhydroxamic acid, $C_7H_7O_2N$.
Benzhydrylpropionic acid, $C_{10}H_{12}O_3$.
Benzidine, $C_{12}H_{12}N_2$.
Benzil, $C_{14}H_{10}O_2$.
Benzilam, $C_{42}H_{32}O_2N_2$.
Benzilamine, $C_{14}H_9N$.
Benzilic acid, $C_{14}H_{12}O_3$.
Benzilimide, $C_{14}H_{11}ON$; $C_{28}H_{22}O_2N_2$; $C_{42}H_{33}O_4N_2$.
Benzimide, $C_{23}H_{18}O_2N_2$.
Benzoic acid, $C_7H_6O_2$.
Benzoicin, $C_{24}H_{20}O_6$.
Benzoin, $C_{14}H_{12}O_2$.
Benzoinamide, $C_{21}H_{18}N_2$.
Benzoinamine, $C_{28}H_{24}ON_2$.
Benzoinimide, $C_{14}H_{11}N$.
Benzolone, $C_{21}H_{15}O_2$; $C_{22}H_{16}O_2$.
Benzonaphthone, C_9H_4O.
Benzophenone, $C_{13}H_{10}O$.
Benzostearic acid, $C_{21}H_{42}O_2$; $C_{22}H_{44}O_2$.
Benzostilbene, $C_{14}H_{10}O$; $C_{31}H_{22}O_2$.
Benzosuccinin, $C_{14}H_{14}O_6$.
Benzotannic acid, $C_{27}H_{44}O_9$.
Benzoylammeline, $C_{10}H_9O_2N_5$.
Benzoylglyceral, $C_{10}H_{12}O_3$.
Benzoylazotide, $C_{15}H_{12}N_2$.
Benzoylhyperoxide, $C_{14}H_{10}O_4$.
Benzpinacolin, $C_{26}H_{20}O$.
Benzpinacone, $C_{26}H_{22}O_2$.
Benzylaldoxime, C_7H_7ON.
Benzylidenebenzidine, $C_{26}H_{20}N_2$.
Berberine, $C_{20}H_{17}O_4N$.
Berberic acid, $C_8H_8O_4$.
Berberonic acid, $C_8H_5O_6N$.
Bergamot camphor $(C_3H_6O_2)_n$.
Bergapten, $C_9H_6O_3$.
Bergenitol, $C_8H_{10}O_5$.
Beronic acid, $C_7H_5O_4N$.
Betaïn, $C_5H_{11}O_2N$.
Betaorcinol, $C_8H_{10}O_2$.
Betulin, $C_{36}H_{60}O_3$.
Betulinamaric acid, $C_{36}H_{62}O_{16}$.
Betulinic acid, $C_{36}H_{54}O_6$.
Betuloretinic acid, $C_{36}H_{66}O_5$.
Bilianic acid, $C_{25}H_{36}O_8$.
Bilic acid, $C_{16}H_{22}O_6$.
Bilifuscin, $C_{16}H_{10}O_4N_2$.
Bilihumin, A., 132, 341.
Bilineurin, $C_5H_{15}O_2N$.
Biliprasin, $C_{16}H_{22}O_6N_2$.
Bilirubin, $C_9H_9O_2N$; $C_{32}H_{36}O_6N_4$.
Biliverdin, $C_{32}H_{36}O_8N_4$.
Bitter almond oil green, $C_{23}H_{26}ON_2$.
Biuret, $C_2H_5O_2N_3$.
Bixin, $C_{28}H_{34}O_5$.
Boheic acid, $C_7H_{10}O_6$.
Borneene, $C_{10}H_{16}$.
Borneocamphene, $C_{10}H_{16}$.
Borneol, $C_{10}H_{18}O$.
Borneodambose, $C_6H_{12}O_6$.
Bornesite, $C_7H_{14}O_6$.
Branchite, C_9H_{16}.
Brasileïn, $C_{16}H_{12}O_6$.
Brasilin, $C_{16}H_{14}O_5$.
Brassidic acid, $C_{22}H_{42}O_2$.
Brassylic acid, $C_{11}H_{20}O_4$.
Brean, $C_{26}H_{44}O$.
Bromdichroic acid, $C_{18}H_7Br_{11}O_{11}$.
Bromanil, $C_6Br_4O_2$.
Bromoxaform, $C_3HBr_5O_2$.
Bromocodide, $C_{18}H_{20}BrO_2N$.
Bromrosoquinol, $C_{12}H_6Br_4O_2$.
Brucine, $C_{23}H_{26}O_4N_2$.
Bryoïdine, $C_{20}H_{38}O_3$.
Bryonine, $C_{48}H_{80}O_{19}$.
Bryoretine, $C_{21}H_{35}O_7$.
Butane, C_4H_{10}.
Butine, C_4H_6.
Butylene, C_4H_8.
Butylidene, $C_{11}H_{20}$.
Butyline, $C_4H_{13}N_3$.
Butyral, C_4H_8O.
Butyric acid, $C_4H_8O_2$.
Butyrofuronic acid, $C_9H_{12}O_5$.
Butyrolactone, $C_4H_6O_2$.
Butyrone, $C_{14}H_{30}O_2$.
Butyropinacone, $C_{14}H_{30}O_2$.
Buxin, $C_{16}H_{21}O_3N$.

Cacodyl, $C_4H_{12}As_2$.
Cacodylic acid, $C_2H_7O_2As$.
Cacostrychnine, $C_{21}H_{22}O_{11}N_5$.
Cacotheline, $C_{20}H_{22}O_9N_4$.
Caffeetannic acid, $C_{15}H_{18}O_8$.
Caffeic acid, $C_9H_8O_4$.
Caffeïdine, $C_7H_{12}ON_4$.
Caffeïne, $C_8H_{10}O_2N_4$.
Caffeol, $C_8H_{10}O_2$.
Caffoline, $C_5H_9O_2N_3$.
Caffuric acid, $C_6H_9O_4N_3$.
Caïncaic acid, $C_{40}H_{64}O_{18}$.
Caïncetin, $C_{22}H_{34}O_3$.
Caïncigenin, $C_{14}H_{24}O_2$.
Caïncin, $C_{40}H_{64}O_{18}$.
Cajeputene, $C_{10}H_{16}$; $C_{10}H_{22}O_3$.
Cajeputol, $C_{10}H_{18}O$.
Calamene, $C_{10}H_{16}$.
Calutannic acid, $C_{14}H_{14}O_9$.
Calluxanthin, $C_{14}H_{10}O_7$.
Calycin, $C_{18}H_{12}O_5$.
Camellin, $C_{53}H_{84}O_{19}$.
Camomillene, $C_{10}H_{16}$.
Camphene, $C_{10}H_{16}$.
Campheride, $C_{16}H_{12}O_6$.
Campheramic acid, $C_{10}H_{17}O_3N$.
Campherimide, $C_{10}H_{15}O_2N$.
Campherol, $C_{10}H_{16}O_2$.
Camphilene, $C_{10}H_{16}$.
Camphimide, $C_{10}H_{15}N$.
Camphine, C_9H_{16}; $C_{10}H_{18}$; $C_{18}H_{32}$.
Camphinic acid, $C_{10}H_{16}O_2$.
Camphocarbonic acid, $C_{11}H_{16}O_3$.
Camphocarbonyl chloride, $C_{22}H_{28}Cl_8$.
Camphocarboxylic acid, $C_{22}H_{32}O_6$.
Camphoglycuronic acid, $C_{16}H_{24}O_8$.
Camphol, $C_{10}H_{18}O$.
Campholene, C_8H_{14}; C_9H_{16}.
Campholic acid, $C_{10}H_{18}O_2$.
Camphor, $C_{10}H_{16}O$.
Camphoranil, $C_{16}H_{19}O_2N$.
Camphoranilic acid, $C_{16}H_{21}O_3N$.
Camphoric acid, $C_{10}H_{16}O_4$.
Camphorone, $C_9H_{14}O$.
Camphoronic acid, $C_9H_{12}O_5$; $C_9H_{14}O_6$.
Camphoroxime, $C_{10}H_{17}ON$.
Camphorylchloride, $C_9H_{13}Cl$.
Camphorylcodeïne, $C_{28}H_{35}O_6N$.

Colophthalumina, $C_{10}H_6O_2$.
Colophthaluminic acid, $C_{10}H_6O_4$.
Columbin, $C_{21}H_{22}O_7$.
Columbic acid, $C_{21}H_{22}O_6$.
Comenic acid, $C_6H_4O_5$.
Conchairamidine, $C_{22}H_{26}O_4N_2$.
Conchairamine, $C_{22}H_{26}O_4N_2$.
Concusconidine, $C_{23}H_{26}O_4N_2$.
Concusconine, $C_{23}H_{26}O_4N_2$.
Conessin, $C_{26}H_{42}ON_2$.
Conethylalkine, $C_{10}H_{21}ON$.
Conhydrin, $C_8H_{17}ON$.
Coniferin, $C_{16}H_{22}O_8$.
Coniferyl alcohol, $C_{10}H_{12}O_3$.
Coniine, $C_8H_{15}N$; $C_8H_{17}N$.
Coniinic acid, $C_7H_{15}O_2N$.
Conilinephthamic acid, $C_{16}H_{21}O_3N$.
Conimene, $C_{15}H_{24}$.
Conquinamine, $C_{19}H_{24}O_2N_2$.
Conquinine, $C_{20}H_{24}O_2N_2$.
Convallamaretin, $C_{20}H_{36}O_8$.
Convallamarin, $C_{23}H_{44}O_2$.
Convallarin, $C_{34}H_{62}O_{11}$.
Convicine, $C_{10}H_{14}O_7N_3$.
Convolvulin, $C_{34}H_{50}O_{16}$.
Convolvulinic acid, $C_{31}H_{52}O_{17}$.
Convolvulinol, $C_{26}H_{50}O_7$.
Convolvulinolic acid, $C_{13}H_{24}O_3$.
Conylene, C_8H_{14}.
Conylene glycol, $C_8H_{16}O_2$.
Copabene, $C_{10}H_{16}$.
Copaibic acid, $C_{20}H_{30}O_2$.
Copaibaol hydrate, $C_{60}H_{98}O$.
Corallin, $C_{19}H_{14}O_3$; $C_{40}H_{38}O_{11}$.
Corallinphthaleïn, $C_{20}H_{14}O_4$.
Coriamyrtin, $C_{30}H_{36}O_{10}$.
Coridine, $C_{10}H_{15}N$.
Coriine, $C_6H_{10}O_3N_2$.
Cornicularic acid, $C_{17}H_{14}O_3$.
Corticinic acid, $C_{12}H_{10}O_6$.
Corydalin, $C_{18}H_{19}O_4N$.
Cotarnine, $C_{12}H_{13}O_3N$.
Cotarninic acid, $C_{11}H_{12}O_4$.
Cotogenin, $C_{14}H_{14}O_5$.
Cotoïn, $C_{21}H_{20}O_6$; $C_{22}H_{18}O_6$.
Coumaric acid, $C_9H_8O_3$.
Coumarilic acid, $C_9H_6O_3$.
Coumarin, $C_9H_6O_2$.
Coumarone, C_8H_6O.
Creatine, $C_4H_9O_2N_3$.
Creatinine, $C_4H_7ON_3$.
Cressol, $C_8H_{10}O_2$.
Cresol, C_7H_8O.
Cresolaurin, $C_{22}H_{20}O_3$.
Cresolphthaleïn, $C_{22}H_{18}O_4$.
Cresolphthalin, $C_{22}H_{20}O_4$.
Cresorcinol, $C_7H_8O_2$.
Cresorcinfluoresceïn, $C_{22}H_{16}O_5$.
Cresylpurpuric acid, $C_9H_7O_6N_5$.
Crocetin, $C_{34}H_{46}O_{11}$.
Crocin, $C_{16}H_{18}O_6$; $C_{69}H_{86}O_{31}$.
Crocinhydrate, $C_{32}H_{38}O_{13}$.
Croconic acid, $C_5H_2O_5$.

Crotaconic acid, $C_6H_6O_4$.
Crotonic acid, $C_4H_6O_2$.
Crotonylene, C_4H_6.
Cryptidine, $C_{11}H_{11}N$.
Cryptophanic acid, $C_5H_9O_5N$.
Cryptopine, $C_{21}H_{23}O_5N$; $C_{23}H_{25}O_5N$.
Cubebic acid, $C_{13}H_{14}O_7$; $C_{14}H_{16}O_4$; $C_{28}H_{32}O_8$.
Cubebin, $C_{10}H_{10}O_3$; $C_{17}H_{16}O_5$.
Cubebs camphor, $C_{15}H_{26}O$.
Cumene, C_9H_{12}.
Cumidic acid, $C_{10}H_{10}O_4$.
Cumidine, $C_9H_{13}N$.
Cuminic acid, $C_{10}H_{12}O_2$.
Cuminilic acid, $C_{20}H_{24}O_3$.
Cuminyl, $C_{20}H_{22}O_2$.
Cumin oil, $C_{20}H_{34}O$.
Cuminoïn, $C_{20}H_{24}O_2$.
Cuminol, $C_{10}H_{12}O$.
Cuminuric acid, $C_{12}H_{15}O_3N$.
Cumostyril, $C_{12}H_{13}ON$.
Cupreïne, $C_{11}H_7O_3N$.
Cupronine, $C_{20}H_{18}O_6N_2$; $C_{21}H_{18}O_6N_2$.
Curarine, $C_{18}H_{35}N$.
Curcumine, $C_{10}H_{10}O_3$; $C_{14}H_{14}O_4$.
Cuscamine, $C_aH_bO_cN_d$.
Cusconine, $C_{23}H_{26}O_4N_2$.
Cusparine, $C_{19}H_{17}O_3N$.
Cyalbidin, $C_{78}H_{112}O_{26}SN_{22}$.
Cyamelide, CHON.
Cyameluric acid, $C_6H_3O_3N_7$.
Cyamidoamalic acid, $C_{13}H_{14}O_7N_8$.
Cyananiline, $C_{14}H_{14}N_4$.
Cyanbenzine, $C_{24}H_{21}N_3$.
Cyancamphor, $C_{11}H_{15}ON$.
Cyanconiine, $C_9H_{14}N_2$.
Cyanethine, $C_9H_{15}N_3$.
Cyanic acid, CHON.
Cyanilic acid, $C_3H_3O_3N_3$.
Cyanine, $C_{30}H_{39}IN_2$.
Cyanmethine, $C_6H_9N_3$.
Cyanoform, C_4HN_3.
Cyanogen, C_2N_2.
Cyanuromalic acid, $C_6H_6O_4N_4$.
Cyanuric acid, $C_3H_3O_3N_3$.
Cyaphenine, $C_{21}H_{15}N_3$; $(C_7H_5N)_n$.
Cyclamin, $C_{20}H_{34}O_{10}$; $C_{32}H_{64}O_{16}$.
Cyclamiretin, $C_{15}H_{22}O_2$.
Cyclopia red, $C_{19}H_{22}O_{10}$.
Cyclopin, $C_{25}H_{28}O_{13}$.
Cyclopic acid, $C_7H_8O_4$.
Cymene, $C_{10}H_{14}$.
Cymidine, $C_{10}H_{15}N$.
Cymophenol, $C_{10}H_{14}O$.
Cymothymol, $C_{10}H_{14}O$.
Cynanchin, $C_{15}H_{24}O$.
Cynanchocerin, $C_{15}H_{24}O$.
Cynanchol, $C_{15}H_{14}O$.
Cynene, $C_{10}H_{18}$; $C_{12}H_{18}$.
Cystine, $C_3H_7O_2SN$.
Cytisine, $C_{20}H_{27}ON_3$.

Damaluric acid, $C_6H_{10}O_2$; $C_7H_{12}O_2$.

Dambonite, $C_4H_8O_3$; $C_8H_{16}O_6$.
Dambose, $C_6H_{12}O_6$.
Dammaran, $C_{40}H_{62}O_6$.
Dammaranic acid, $C_{40}H_{62}O_7$.
Dammaryl, $C_{45}H_{72}$.
Dammarylic acid, $C_{45}H_{72}O_3$.
Damolic acid, $C_{12}H_{22}O_2$.
Daphnetin, $C_9H_6O_4$; $C_{19}H_{14}O_9$.
Daphnin, $C_{16}H_{18}O_9$; $C_{31}H_{34}O_{19}$.
Datiscetin, $C_{15}H_{10}O_6$.
Datiscin, $C_{21}H_{22}O_{12}$.
Daturine, $C_{17}H_{23}ON$.
Decacrylic acid, $C_{10}H_{18}O_2$.
Decane, $C_{10}H_{22}$.
Decanaphthene, $C_{10}H_{20}$.
Decarbusneïn, $C_{17}H_{18}O_6$.
Decarbusnic acid, $C_9H_{10}O_3$; $C_{15}H_{16}O_5$.
Decenylene, $C_{10}H_{18}$.
Decin, $C_{10}H_{18}$.
Decone, $C_{10}H_{16}$.
Decylene, $C_{10}H_{20}$.
Dehydracetic acid, $C_8H_8O_4$.
Dehydrocamphor, $C_{10}H_{14}O$.
Dehydrocholalic acid, $C_{25}H_{36}O_5$.
Dehydromucic acid, $C_6H_4O_5$.
Delphinine, $C_{22}H_{35}O_6N$; $C_{24}H_{35}O_2N$.
Delphinoïdin, $C_{42}H_{68}O_7N_2$.
Delphisin, $C_{27}H_{46}O_4N_2$.
Deoxyamalic acid, $C_{12}H_{14}O_6N_4$.
Deoxyanisoïn, $C_{16}H_{16}O_3$.
Deoxybenzoïnpinacone, $C_{28}H_{26}O_2$.
Deoxyphorone, $C_{18}H_{28}O$.
Desoxalic acid, $C_5H_6O_8$.
Dextran, $C_6H_{10}O_5$.
Dextrin, $(C_6H_{10}O_5)_n$.
Dextroglucose, $C_6H_{12}O_6$.
Dextronic acid, $C_6H_{12}O_7$.
Dextrose, $C_6H_{12}O_6$.
Diacetonalkamine, $C_6H_{15}ON$.
Diacetonamine, $C_6H_{13}ON$.
Diacetonic alcohol, $C_6H_{12}O_2$.
Diacrylic acid, $C_6H_8O_4$.
Dialactamidic acid, $C_6H_{11}O_4N$.
Dialdane, $C_8H_{14}O_3$.
Dialdanic acid, $C_8H_{14}O_4$.
Diallyl, C_6H_{10}.
Diallylene, C_6H_8.
Diallylidenediphenamine, $C_{18}H_{19}N_2$.
Dialuric acid, $C_4H_4O_4N_2$.
Diamylene, $C_{10}H_{20}$.
Diamylin, $C_{13}H_{28}O_3$.
Dianhydrolupinine, $C_{21}H_{36}N_2$.
Dianilinhydrin, $C_{15}H_{18}ON_2$.
Dianishydroxamic acid, $C_{16}H_{15}O_5N$.
Dianisotriureïde, $C_{19}H_{24}O_5N_6$.
Diantipyrine, $C_{22}H_{22}O_2N_4$.
Diapocinchonin, $C_{38}H_{44}O_2N_4$.
Diapotetramorphine, $C_{136}H_{148}O_{22}N_8$.
Diarachin, $C_{43}H_{84}O_5$.
Diarbutin, $C_{25}H_{32}O_{14}$.
Diaterebic acid, $C_7H_{12}O_6$.
Diaterpenylic acid, $C_8H_{14}O_5$.
Diazoacetamide, $C_2H_3ON_3$.

Diazobenzoimide, $C_7H_5O_2N_3$.
Diazobenzolimide, $C_6H_5N_3$.
Diazocamphor, $C_{10}H_{14}ON_2$.
Diazoethoxan, $C_4H_{10}O_2N_2$.
Diazoresorcin, $C_{18}H_{10}O_6N_2$.
Diazoresorufin, $C_{36}H_{18}O_9N_4$.
Diazorosaniline, $C_{20}H_{10}N_6$.
Diazothymol, $C_{10}H_{12}ON_2$.
Dibarbituric acid, $C_8H_6O_5N_4$.
Dibenzhydrylamine, $C_{26}H_{23}N$.
Dibenzyl, $C_{14}H_{14}$.
Dibutyllactinic acid, $C_8H_{14}O_5$.
Dibutyraldine, $C_6H_{17}ON$.
Dibutyril, $C_8H_{14}O_2$.
Dicamphorilimide, $C_{20}H_{31}O_2N$.
Dicarbocaprolactonic acid, $C_8H_{10}O_6$.
Dicarbothionic acid, $C_2H_2O_4S$.
Dicarboxethylamidamarine, $C_{27}H_{27}O_3N_3$.
Dichromatic acid, $C_{20}H_{34}O_3$.
Diconchinine, $C_{40}H_{46}O_3N_4$.
Diconic acid, $C_9H_{10}O_6$.
Diconylene alcohol, $C_{16}H_{30}O_3$.
Dicotoïn, $C_{44}H_{34}O_{11}$.
Dicuminyl, $C_{20}H_{26}$.
Didenlactamidic acid, $C_6H_{11}O_4N$.
Diepinic acid, $C_2H_4O_4$.
Diethoxalic acid, $C_6H_{12}O_3$.
Diethylcarbobenzoic acid, $C_{18}H_{18}O_2$.
Diethyldaphnetilic acid, $C_{13}H_{14}O_5$.
Diethylin, $C_7H_{16}O_3$.
Diethylsemicarbazide, $C_{16}H_{13}ON_3$.
Diffluan, $C_3H_4O_3N_2$.
Difrangulic acid, $C_{28}H_{18}O_9$.
Digallic acid, $C_{14}H_{10}O_9$.
Digitalacrin, $C_{11}H_{22}O_2$.
Digitaleïn, $C_{22}H_{38}O_9$.
Digitalin, $C_5H_8O_2$; $C_{21}H_{23}O_9$; $C_{27}H_{45}O_{15}$.
Digitaliretin, $C_{16}H_{26}O_3$.
Digitin $(C_4H_9O_2)_n$.
Digitonin, $C_{31}H_{52}O_{17}$.
Digitoxin, $C_{21}H_{32}O_7$ (?).
Diguanide, $C_2H_7N_5$.
Dihydrocarboxylic acid, $C_{10}H_8O_{11}$.
Diimidoisatin, $C_{18}H_{12}O_2N_4$.
Diisatogen, $C_{18}H_8O_4N_2$.
Diisoprene, $C_{10}H_{16}$.
Dimethylacetal, $C_4H_{10}O_2$.
Dimethylsulphone, $C_2H_6O_2S$.
Dimetoxybenzoid, $C_{14}H_{10}O_5$.
Dinaphthyl, $C_{20}H_{14}$.
Dinaphthylanthrylene, $C_{22}H_{12}$.
Diœnanthylidenediphenamine, $C_{26}H_{38}N_2$.
Dioxalethylin, $C_{12}H_{18}N_4$.
Dioxindole, $C_8H_7O_2N$.
Dioxymorphine, $C_{17}H_{19}O_2N$.
Dioxyretistene, $C_{16}H_{14}O_2$.
Diphenanthrenazotide, $C_{28}H_{16}N_2$.
Diphenic acid, $C_{14}H_{10}O_4$.
Diphenine, $C_{12}H_{14}N_4$.
Diphenic phthaleïn, $C_{26}H_{18}O_4$.

Glutonic acid, $C_5H_6O_4$.
Glyceric acid, $C_3H_6O_4$.
Glycerol, C_3.
Glycide, $C_3H_6O_2$.
Glycidic acid, $C_3H_4O_3$.
Glycin, $C_2H_5O_2N$.
Glycocholic acid, $C_{26}H_{43}O_6N$.
Glycocholonic acid, $C_{26}H_{41}O_5N$.
Glycocinimide anhydride, C_2H_3ON.
Glycocoll, $C_2H_5O_2N$.
Glycocyamidine, $C_3H_5ON_3$.
Glycodrupose, $C_{24}H_{36}O_{16}$.
Glycodyslysin, $C_{26}H_{39}O_4N$.
Glycogen, $C_6H_{10}O_5$; $C_{18}H_{32}O_{16}$.
Glycogenic acid, $C_6H_{12}O_7$.
Glycol, $C_2H_6O_2$.
Glycolignose, $C_{30}H_{46}O_{21}$.
Glycoline, $C_6H_{10}N_2$.
Glycollic acid, $C_2H_4O_3$.
Glycollide, $C_2H_2O_2$.
Glycoluril, $C_4H_6O_2N_4$.
Glycosamine, $C_6H_{13}O_5N$.
Glycosanilide, $C_{12}H_{17}O_5N$.
Glycosine, $C_6H_6N_4$.
Glycotannin, $C_{34}H_{28}O_{22}$.
Glycuronic acid, $C_6H_{10}O_7$.
Glycuvic acid, $C_5H_{10}O_6$.
Glycyphyllin, $C_{13}H_{14}O_6$.
Glycyphyllic acid, $C_9H_{10}O_3$.
Glycyrrhizinic acid, $C_{44}H_{63}O_{18}N$.
Glyoxal, $C_2H_2O_2$.
Glyoxaline, $C_3H_4N_2$.
Glyoxalmethyline, $C_4H_6N_2$.
Glyoxime, $C_2H_4O_2N_2$.
Glyoxylic acid, $C_2H_4O_4$.
Gnoscopine, $C_{34}H_{36}O_{11}N_2$.
Granattannic acid, $C_{20}H_{16}O_{13}$.
Graphitic acid, $C_{11}H_4O_6$.
Gratioleretin, $C_{17}H_{28}O_3$.
Gratioletin, $C_{17}H_{28}O_5$.
Gratiolin, $C_{20}H_{34}O_3$.
Gratiosoleretin, $C_{34}H_{62}O_9$.
Gratiosoletin, $C_{40}H_{68}O_{17}$.
Gratiosolin, $C_{45}H_{84}O_{25}$.
Greenhartin, $C_{30}H_{28}O_6$.
Guajacol, $C_7H_8O_2$.
Guajaconic acid, $C_{19}H_{20}O_5$; $C_{19}H_{22}O_3$.
Guajaretic acid, $C_{20}H_{26}O_4$.
Guajene, $C_{12}H_{12}$.
Guajol, C_6H_8O; $C_9H_{14}O_2$.
Guanidine, CH_5N_3.
Guanamine, $C_3H_5N_5$.
Guanine, $C_5H_5ON_5$.
Guanoline, $C_4H_9O_2N_3$; $C_8H_{18}O_4N_6$.
Gummic acid, $C_3H_8O_5$; $C_6H_{10}O_{10}$.
Gurjunic acid, $C_{22}H_{34}O_4$.
Guyaquillite, $C_{20}H_{26}O_3$.
Gyrophoric acid, $C_{36}H_{36}O_{15}$.

Hæmateïn, $C_{16}H_{12}O_6$; $C_{48}H_{39}O_{18}N$.
Hæmatin, $C_{34}H_{35}O_5N_4Fe$.
Hæmathionic acid, $C_{14}H_{14}O_{15}S$.
Hæmatoïdin, $C_{14}H_{18}O_3N_2$.
Hæmatoline, $C_{68}H_{78}O_7N_8$.
Hæmatoporphyrin, $C_{34}H_{37}O_6N_4$.
Hæmatoxylin, $C_{16}H_{14}O_6$.
Harmaline, $C_{13}H_{14}ON_2$.
Harmalol, $C_{12}H_{12}ON_2$.
Harmine, $C_{13}H_{12}ON_2$.
Harminic acid, $C_{10}H_8O_4N_2$.
Hartin, $C_{10}H_{16}O$; $(C_{10}H_{17}O)_n$; $C_{20}H_{34}O_2$.
Hartite, C_6H_{10}; $(C_{12}H_5)_n$.
Hederic acid, $C_{16}H_{26}O_4$.
Helenene, $C_{19}H_{26}$.
Helenin, C_6H_8O; $C_{16}H_{14}O_6$; $C_{21}H_{26}O_3$.
Helianthic acid, $C_{14}H_{18}O_8$.
Helicin, $C_{13}H_{16}O_7$.
Helicoïdin, $C_{26}H_{34}O_{14}$.
Helleboreïn, $C_{26}H_{44}O_{15}$.
Helleboresin, $C_{30}H_{38}O_4$.
Helleboretin, $C_{14}H_{20}O_3$.
Helleborin, $C_{36}H_{42}O_6$.
Hemialbumen, $C_{24}H_{40}O_{10}N_6$.
Hemibromhydrin, $C_6H_9BrO_2$.
Hemicolline, $C_{47}H_{70}O_{19}N_4$.
Hemimellithene, C_9H_{12}.
Hemimellitic acid, $C_9H_6O_6$.
Hemipinic acid, $C_{10}H_{10}O_6$.
Hemiproteïdin, $C_{24}H_{42}O_{12}N_6$.
Heneicosane, $C_{21}H_{44}$.
Hentriacontane, $C_{31}H_{64}$.
Heptacosane, $C_{27}H_{56}$.
Heptadecane, $C_{17}H_{36}$.
Heptane, C_7H_{16}.
Heptinic acid, $C_{21}H_{30}O_6$.
Heptolactone, $C_7H_{12}O_2$.
Heptone, C_7H_{10}.
Heptylene, C_7H_{14}.
Heptylic acid, $C_7H_{14}O_2$.
Heptylidene, C_7H_{12}.
Heraclin, $C_{32}H_{22}O_{10}$.
Hesperetic acid, $C_{10}H_{10}O_4$.
Hesperetin, $C_{16}H_{14}O_6$.
Hesperetol, $C_9H_{10}O_2$.
Hesperidene, $C_{10}H_{16}$.
Hesperidin, $C_{22}H_{26}O_{12}$; $C_{23}H_{28}O_{12}$.
Heveene, $C_{15}H_{24}$; $C_{20}H_{32}$.
Hexacosane, $C_{26}H_{54}$.
Hexacrolic acid, $C_{18}H_{24}O_6$.
Hexadecane, $C_{16}H_{34}$.
Hexadecylic acid, $C_{16}H_{32}O_2$.
Hexadecylidene, $C_{16}H_{30}$.
Hexane, C_6H_{14}.
Hexepinic acid, $C_6H_{12}O_3$.
Hexerinic acid, $C_6H_{12}O_4$.
Hexine, C_6H_{10}.
Hexic acid, $C_{18}H_{26}O_7$.
Hexone, C_6H_8.
Hexoylene, C_6H_{10}.
Hexylene, C_6H_{12}.
Hexylenic acid, $C_6H_{10}O_2$.
Hexylidine, C_6H_{12}.
Hipparaffin, $C_{16}H_{16}O_2N_2$.
Hipparin, $C_8H_9O_2N$.
Hippuric acid, $C_9H_9O_3N$.
Homatropine, $C_{16}H_{21}O_3N$.
Homocerebrin, $C_{80}H_{158}O_{14}N_2$.
Homocinchonidine, $C_{19}H_{22}ON_2$.
Homocreatine, $C_5H_{11}O_2N_3$.
Homocumaric acid, $C_{10}H_{10}O_3$.
Homocuminic acid, $C_{11}H_{14}O_2$.
Homoferulic acid, $C_{11}H_{12}O_4$.
Homofluoresceïn, $C_{23}H_{18}O_5$.
Homohydroapoatropine, $C_{16}H_{21}O_2N$.
Homoitaconic acid, $C_6H_8O_4$.
Homoisophthalic acid, $C_9H_8O_4$.
Homoprotocatechuic acid, $C_8H_8O_4$.
Homopyrocatechol, $C_7H_8O_2$.
Homopyrrol, C_5H_7N.
Homoquinine, $C_{19}H_{22}O_2N_2$; $C_{20}H_{24}O_2N_2$.
Homosaligenin, $C_8H_{10}O_2$.
Homoterephthalic acid, $C_9H_8O_4$.
Homovanillic acid, $C_9H_{10}O_4$.
Homoveratric acid, $C_{10}H_{12}O_4$.
Hop-bitters, $C_{16}H_{26}O_4$.
Hop-phlobaphene, $C_{50}H_{46}O_{25}$.
Hop-red, $C_{38}H_{26}O_{15}$.
Hordeïnic acid, $C_{12}H_{24}O_2$.
Humic acid, $C_{24}H_{10}O_{10}$; $C_{60}H_{54}O_{27}$.
Huminic acid, $C_{24}H_{18}O_9$.
Hyænic acid, $C_{25}H_{50}O_2$.
Hydantoïn, $C_3H_4O_2N_2$.
Hydantoic acid, $C_3H_6O_3N_2$.
Hydræsculetin, $C_{18}H_{14}O_9$.
Hydrastin, $C_{22}H_{23}O_6N$.
Hydrazoindol, $C_{16}H_{13}N_3$.
Hydraztine, $C_{22}H_{23}O_4N$.
Hydrazulmine, $C_4H_6N_6$.
Hydrimidotetrazoresorufin, $C_{36}H_{29}O_9N_{14}$.
Hydrindine, $C_{32}H_{22}O_5N_4$.
Hydrindic acid, $C_8H_7O_2N$.
Hydrindonaphthalene carboxylic acid, $C_{10}H_{10}O_2$.
Hydrisoalizarin, $C_{28}H_{18}O_8$.
Hydrobenzamide, $C_{21}H_{18}N_2$.
Hydrobenzuric acid, $C_{18}H_{24}O_8N_2$.
Hydrobenzyluric acid, $C_{16}H_{21}O_4N$.
Hydrobryotin, $C_{21}H_{37}O_8$.
Hydrocaffuric acid, $C_6H_9O_3N_3$.
Hydrocarboxylic acid, $C_{10}H_6O_{10}$.
Hydrocarpol, $C_{16}H_{20}O$.
Hydrocellulose, $C_{12}H_{22}O_{11}$.
Hydrocholalic acid, $C_{26}H_{40}O_4$.
Hydrocinchonidine, $C_{19}H_{23}O_3N$.
Hydrocinnamide, $C_{27}H_{24}N_2$.
Hydrocinnamocarbonic acid, $C_{10}H_{10}O_3$.
Hydrocœrulignone, $C_{16}H_{16}O_6$; $C_{16}H_{18}O_6$.
Hydrocotoïn, $C_{15}H_{14}O_4$.
Hydrocotone, $C_{18}H_{24}O_6$.
Hydrocoumarinic acid, $C_{18}H_{18}O_6$.
Hydrocoumarin, $C_{18}H_{14}O_4$.
Hydrocuminamide, $C_{30}H_{36}N_2$.
Hydrocuminoïn dichloride, $C_{20}H_{24}Cl_2$.
Hydrocyanaldine, $C_9H_{12}N_4$.
Hydrocyanbenzide, $C_{23}H_{17}N_3$.
Hydrocyanic acid, CHN.
Hydrocyanrosaniline, $C_{20}H_{18}N_4$; $C_{21}H_{20}N_4$.
Hydrocyanrosolic acid, $C_{21}H_{17}O_3N$.
Hydrocyansalide, $C_{22}H_{16}O_3N_2$.
Hydrogratiosoleretin, $C_{34}H_{56}O_{11}$.
Hydrokynurin, $C_{18}H_{20}O_2N_2$.
Hydronaphthamide, $C_{33}H_{24}N_2$.
Hydrœnanthamide, $C_{21}H_{42}N_2$.
Hydrophthalide, $C_8H_8O_2$.
Hydropiperoin, $C_{16}H_{14}O_6$.
Hydropolyporic acid $(C_9H_9O_2)_n$.
Hydroquinidine, $C_{20}H_{26}O_2N_2$.
Hydroquinizarol, $C_{14}H_{12}O_3$.
Hydroquinoline, $C_{18}H_{18}N_2$.
Hydroquinone, $C_6H_6O_2$.
Hydroquinonequinoline, $C_{24}H_{20}O_2N_2$.
Hydroquinonephthaleïn, $C_{20}H_{12}O_5$.
Hydroquinonephthaleïnic acid, $C_{20}H_{14}O_6$.
Hydroquinonephthalin, $C_{20}H_{14}O_6$.
Hydrosalicylamide, $C_{21}H_{18}O_3N_2$.
Hydrosantonamide, $C_{15}H_{23}O_3N$.
Hydrotarnin, $C_{12}H_{15}O_3N$.
Hydrotinic acid, $C_5H_9O_5N$.
Hydrovanilloïn, $C_{16}H_{18}O_6$.
Hydroxonic acid, $C_8H_{10}O_7N_6$.
Hydroxybenzyluric acid, $C_{16}H_{21}O_5N$.
Hydroxyglutarilactone, $C_5H_6O_4$.
Hydroxypentinic acid, $C_5H_8O_3$; $C_7H_{12}O_3$.
Hydroxytetrinic acid, $C_4H_6O_3$.
Hydruvinic acid, $C_6H_{10}O_7$.
Hydurilic acid, $C_8H_6O_6N_4$.
Hyocholic acid, $C_{25}H_{40}O_4$.
Hyodyslysin, $C_{25}H_{38}O_3$.
Hyoglycocholic acid, $C_{27}H_{43}O_5N$.
Hyoscine, $C_{17}H_{23}O_3N$; not $C_{17}H_{23}ON$.
Hyoscinic acid, $C_9H_{10}O_3$.
Hyoscyamine, $C_{17}H_{23}O_3N$; not $C_{17}H_{23}ON$.
Hyotaurocholic acid, $C_{27}H_{45}O_6SN$
Hypocaffeïne, $C_6H_7O_3N_3$.
Hypogœic acid, $C_{16}H_{30}O_2$.
Hypoquebrachine, $C_{21}H_{26}O_2N_2$.
Hypoxanthin, $C_5H_4ON_4$.

Icacin, $C_{45}H_{74}O$; $C_{46}H_{76}O$; $C_{47}H_{78}O$.
Icican, $C_{20}H_{34}O$.
Idrialin, $C_{80}H_{54}O_2$.
Idrioline, $C_{10}H_9N$.
Idryl, $C_{15}H_{10}$.
Ilixanthin, $C_{17}H_{22}O_{11}$.
Imabenzil, $C_{14}H_{11}ON$; $C_{42}H_{32}O_4N_2$.
Imasatin, $C_{16}H_{11}O_3N_3$.
Imesatin, $C_8H_6ON_2$.
Imperatorin, $C_{12}H_{12}O_3$; $C_{16}H_{16}O_4$.
Indazole, $C_7H_6N_2$.
Indifulvin, $C_{22}H_{20}O_3N_2$.
Indifuscin, $C_{24}H_{20}O_3N_2$.
Indifuscon, $C_{22}H_{20}O_5N_2$.
Indiglucin, $C_6H_{10}O_6$.

Indigo blue, $C_{16}H_{10}O_2N_2$.
Indigopurpurin, C_8H_5ON.
Indigotin, $C_{16}H_{10}O_2N_2$.
Indigwhite, $C_{16}H_{12}O_2N_2$.
Indigo white, $C_{16}H_{14}O_2N_2$.
Indihumin, $C_{10}H_9O_3N$.
Indicanin, $C_{20}H_{23}O_{12}N$; $C_{26}H_{31}O_{17}N$.
Indin, $C_{16}H_{10}O_2N_2$.
Indiretin, $C_{16}H_{16}O_4N_2$; $C_{18}H_{17}O_5N$.
Indirubin, C_8H_5ON; $C_{16}H_{10}O_2N_2$.
Indoïn, $C_{32}H_{20}O_5N_4$.
Indole, C_8H_7N; $C_{16}H_{14}N_2$.
Indoline, $C_{16}H_{14}N_2$.
Indophane, $C_{22}H_{10}O_4N_4$.
Indophenin, $C_{20}H_{15}ON$.
Indoxyl, C_8H_7ON.
Indoxylic acid, $C_9H_7O_3N$.
Inosinic acid, $C_{10}H_{14}O_{11}N_4$.
Inosite, $C_6H_{12}O_6$.
Inulin, $C_6H_{10}O_5$; $C_{36}H_{62}O_{31}$.
Inuloïd, $C_6H_{10}O_5$; $C_{12}H_{20}O_{10}$.
Inulol, $C_{10}H_{16}O$.
Iodal, C_2HI_3O.
Ipecacuanhic acid, $C_{14}H_{18}O_7$.
Ipomœic acid, $C_{10}H_{18}O_4$.
Iridoline, $C_{10}H_9N$.
Iriscamphor, $C_8H_{16}O_2$.
Isœthionic acid, $C_2H_6O_4S$.
Isamide, $C_{16}H_{14}O_3N_4$.
Isamic acid, $C_{16}H_{13}O_4N_3$.
Isatamidobenzoic acid, $C_{15}H_{12}O_4N_2$.
Isatan, $C_{32}H_{26}O_6N_4$.
Isatide, $C_{16}H_{12}O_4N_2$.
Isatilim, $C_{24}H_{16}O_5N_4$.
Isatimide, $C_{24}H_{17}O_4N_5$.
Isatin, $C_8H_5O_2N$.
Isatindiamide, $C_{16}H_{12}O_2N_4$.
Isatinic acid, $C_8H_7O_3N$.
Isatochlorin, $C_{32}H_{24}O_5N_4$.
Isatogenic acid, $C_9H_5O_4N$.
Isatoic acid, $C_8H_5O_3N$.
Isatone, $C_{32}H_{24}O_3N_4$.
Isatopurpurin, $C_{32}H_{28}O_3N_4$.
Isatropic acid, $C_{18}H_{16}O_4$.
Isobutylal, $C_{16}H_{32}O_4$.
Isobutyraldin, $C_{12}H_{25}S_2N$.
Isodibutol, $C_8H_{18}O$.
Isodibutolic acid, $C_8H_{16}O_2$.
Isodulcitic acid, $C_6H_{10}O_6$.
Isodurenol, $C_{10}H_{14}O$.
Isoindileucine, $C_{16}H_{12}ON_2$.
Isoline, $C_{14}H_{17}N$.
Isophlorylchloride, $C_9H_{13}Cl$.
Isopinic acid, $C_{14}H_{10}O_6$.
Isoprene, C_5H_8.
Isosaccharic acid, $C_6H_{10}O_8$.
Isovaleroglyceral, $C_8H_{16}O_3$.
Isovaleryloroselin, $C_{19}H_{20}O_5$.
Isuretine, CH_4ON_2.
Itapyrotartaric acid, $C_4H_6O_3$.
Itacoanilic acid, $C_{11}H_{11}O_3N$.
Itaconic acid, $C_5H_6O_4$.
Itamalic acid, $C_5H_8O_5$.
Itatartaric acid, $C_5H_8O_6$.
Ivaïn, $C_{24}H_{42}O_3$.
Ivaol, $C_{12}H_{20}O$; $C_{24}H_{40}O_2$.

Jaborandin, $C_{10}H_{12}O_2S$.
Jalapic acid, $C_{28}H_{50}O_{13}$; $C_{34}H_{60}O_{18}$; $C_{68}H_{118}O_{35}$.
Jalapin, $C_{34}H_{56}O_{16}$.
Jalapinol, $C_{32}H_{62}O_7$.
Jalapinolic acid, $C_{16}H_{30}O_3$.
Jambosin, $C_{10}H_6O_3N$.
Japaconine, $C_{26}H_{41}O_{10}N$.
Japaconitine, $C_{66}H_{88}O_{21}N_2$.
Jervaic acid, $C_{14}H_{12}O_{12}$.
Jervine, $C_{26}H_{37}O_3N$; $C_{26}H_{43}O_2N$; $C_{30}H_{46}O_3N_2$.
Juglone, $C_{18}H_{12}O_5$.
Jugloxime, $C_{10}H_7O_3N$.

Kairine, $C_{11}H_{15}ON$.
Kairocoll, $C_{11}H_{11}O_2N$.
Ketine, $C_6H_8N_2$.
Ketolactonic acid, $C_8H_{10}O_4$.
Kinoïn, $C_{14}H_{12}O_6$.
Kino-red, $C_{28}H_{22}O_{11}$.
Koenlite $(CH)_n$; $(C_6H_6)_n$.
Kosin, $C_{31}H_{38}O_{10}$.
Kussin, $C_{26}H_{44}O_5$.
Kynuric acid, $C_9H_7O_5N$; $C_{10}H_7O_3N$; $C_{20}H_{14}O_6N_2$.
Kynurine, C_9H_7ON; $C_{18}H_{14}O_2N_2$.

Lactic acid, $C_3H_6O_3$.
Lactide, $C_6H_8O_4$.
Lactocaramel, $C_6H_{10}O_5$.
Lactoglucose, $C_6H_{12}O_6$.
Lactose, $C_{12}H_{22}O_{11}$.
Lactosetartaric acid, $C_{17}H_{26}O_{19}$; $C_{22}H_{42}O_{28}$.
Lactucerin, $C_{20}H_{32}O_2$; $C_{40}H_{66}O_3$.
Lactuceryl alcohol, $C_{19}H_{30}O$.
Lactucone, $C_{14}H_{24}O$; $C_{15}H_{24}O$; $C_{40}H_{66}O_3$.
Lacturamic acid, $C_4H_6O_3N_2$.
Lantanuric acid, $C_3H_4O_3N_2$.
Lanthopine, $C_{23}H_{25}O_4N$.
Lanuginic acid, $C_{19}H_{30}O_{10}N_5$.
Lapachic acid, $C_{15}H_{14}O_3$.
Lapacone, $C_{30}H_{28}O_6$.
Larixinic acid, $C_{10}H_{10}O_5$.
Laserol, $C_{14}H_{22}O_4$.
Laserpitin, $C_{15}H_{22}O_4$; $C_{24}H_{36}O_7$.
Laudanine, $C_{20}H_{25}O_4N$.
Laudanosine, $C_{21}H_{27}O_4N$.
Laurene, $C_{10}H_{14}$; $C_{11}H_{16}$.
Lauric acid, $C_{12}H_{24}O_2$.
Laurin, $C_{22}H_{30}O_3$.
Laurone, $C_{23}H_{46}O$.
Laurosteric acid, $C_{12}H_{24}O_2$.
Laurostearin, $C_{27}H_{50}O_4$; $C_{39}H_{74}O_6$.
Lauroxylic acid, $C_9H_{10}O_2$.
Lecanoric acid, $C_{16}H_{14}O_7$; $C_{36}H_{36}O_{15}$.
Lecithin, $C_{42}H_{34}O_9NP$.
Ledum camphor, $C_{25}H_{44}O_2$.
Leken, C_xH_7.
Lepamine, $C_{20}H_{32}N_2$.
Lepargylic acid, $C_9H_{16}O_4$.
Lepidene, $C_{28}H_{20}O$.
Lepidine, $C_{10}H_9N$.
Leucaniline, $C_{19}H_{19}N_3$; $C_{20}H_{21}N_3$.
Leucanisidine, $C_{21}H_{23}O_2N_3$.
Leucaurin, $C_{19}H_{14}O_2$.
Leucic acid, $C_6H_{12}O_3$.
Leucine, $C_6H_{13}O_2N$.
Leucogallol, $C_{18}H_6Cl_{12}O_{12}$.
Leucoline, C_9H_7N.
Leucolinic acid, $C_9H_9O_3N$.
Leuconic acid, $C_5H_8O_9$.
Leucopetrin, $C_{50}H_{42}O_3(?)=C_{50}H_{84}O_3$?
Leucophenylensaffranin, $C_{18}H_{18}N_4$.
Leucopthal green, $C_{24}H_{24}ON_2$.
Leucorosolic acid, $C_{20}H_{18}O_3$.
Leucotin, $C_{21}H_{20}O_6$; $C_{34}H_{32}O_{10}$.
Leucotolylen blue, $C_{15}H_{20}N_4$.
Leucoturic acid, $C_6H_6O_6N_4$.
Levinulin, $C_6H_{10}O_5$.
Levulan, $C_6H_{10}O_5$.
Levulin, $C_6H_{10}O_5$.
Levulinic acid, $C_5H_8O_3$.
Levulosan, $C_6H_{10}O_5$.
Levulose, $C_6H_{12}O_6$.
Licarene, $C_{10}H_{16}$.
Lichenin, $C_6H_{10}O_5$.
Lichenstearic acid, $C_{14}H_{24}O_3$.
Lignin, $C_{18}H_{24}O_{10}$.
Lignoceric acid, $C_{24}H_{48}O_2$.
Lignose, $C_{18}H_{26}O_{11}$.
Limettic acid, $C_{11}H_8O_6$.
Limonin, $C_{22}H_{26}O_7$; $C_{42}H_{50}O_{13}.C_{26}H_{30}O_8$.
Linoleic acid, $C_{16}H_{28}O_2$.
Linoxyn, $C_{32}H_{54}O_{11}$.
Lipic acid, $C_5H_6O_4$; $C_5H_8O_4$.
Lithobilic acid, $C_{30}H_{58}O_6$.
Lithofellic acid, $C_{20}H_{36}O_4$.
Lithuric acid, $C_{15}H_{19}O_9N$.
Lobaric acid, $C_{17}H_{16}O_6$.
Locaëtin, $C_9H_8O_5$.
Locaïn, $C_{28}H_{34}O_{17}$.
Lophine, $C_{21}H_{16}N_2$.
Loturin, $C_aH_bO_cN_d$.
Loxoterygine, $C_{26}H_{34}O_2N_2$.
Lupigenin, $C_{17}H_{12}O_6$.
Lupinine, $C_{21}H_{40}O_2N_2$; $C_{29}H_{32}O_{16}$.
Luteolin, $C_{12}H_8O_5$; $C_{20}H_{14}O_9$.
Luteic acid, $C_{20}H_{20}O_{12}$.
Lutidinbetaïn, $C_9H_{11}O_2N$.
Lutidine, C_7H_9N.
Lutidinic acid, $C_7H_5O_4N$.
Lutorcin, $C_7H_8O_2$.
Lycoctonine, $C_{36}H_{49}O_{12}N$.
Lycopodine, $C_{32}H_{52}O_3N_2$.
Lycoresin, $C_9H_{16}O$.
Lycostearone, $C_{15}H_{30}O_2$.

Macene, $C_{10}H_{16}$.
Machromin, $C_{14}H_{10}O_5$.
Macleyine, $C_{20}H_{19}O_5N$.
Maclurin, $C_{13}H_{10}O_6$.
Mairogallol, $C_{18}H_7Cl_{11}O_{10}$.
Malachite green, $C_{23}H_{26}ON_2$.
Malanil, $C_{10}H_9O_3N$.
Malanilide, $C_{16}H_{16}O_3N_2$.
Maleic acid, $C_4H_4O_4$.
Malic acid, $C_4H_6O_5$.
Malobiuric acid, $C_5H_5O_4N_3$.
Malonic acid, $C_3H_4O_4$.
Maltic acid, $C_6H_{10}O_5$.
Maltose, $C_{12}H_{22}O_{11}$.
Malylureïde, $C_5H_7O_3N_3$.
Malylureïdic acid, $C_5H_6O_4N_2$
Mandelic acid, $C_8H_8O_3$.
Mangostin, $C_{20}H_{22}O_5$.
Mannide, $C_6H_{10}O_4$.
Mannitane, $C_6H_{12}O_5$.
Mannitic acid, $C_6H_{12}O_7$.
Mannitic ether, $C_{12}H_{26}O_{11}$.
Mannitine, $C_6H_8N_2$.
Mannitol, $C_6H_{14}O_6$.
Mannitolide, $C_{41}H_{39}O_{11}N_6$.
Mannitose, $C_6H_{12}O_6$.
Margaric acid, $C_{17}H_{34}O_2$.
Margarolic acid, $C_{17}H_{30}O_2$.
Masopin, $C_{12}H_{18}O_2$; $C_{22}H_{36}O$.
Matezite, $C_{10}H_{20}O_9$.
Matezodambose, $C_6H_{12}O_6$; $C_9H_{18}O_9$.
Maticocamphor, $C_{12}H_{20}O$.
Mauvaniline, $C_{19}H_{17}N_3$.
Maveïne, $C_{27}H_{24}N_4$.
Maynos resin, $C_{14}H_{18}O_4$.
Meconidine, $C_{21}H_{23}O_4N$.
Meconin, $C_{10}H_{10}O_4$.
Meconinic acid, $C_{10}H_{12}O_5$.
Meconoisin, $C_8H_{10}O_2$.
Meconic acid, $C_7H_4O_7$.
Medullic acid, $C_{21}H_{42}O_2$.
Melam, $C_6H_9N_{11}$.
Melamine, $C_3H_6N_6$.
Melaniline, $C_{13}H_{13}N_3$.
Melanine, $C_9H_{10}O_4N_2$.
Melanoximide, $C_{15}H_{11}O_2N_3$.
Melanic acid, $C_6H_4O_3$.
Melanthin, $C_{20}H_{33}O_7(?)$.
Melanurenic acid, $C_3H_4O_2N_4$.
Melassinic acid, $C_{12}H_{10}O_5$.
Melene, $C_{30}H_{60}$.
Melezitose, $C_{12}H_{22}O_{11}$.
Melidoacetic acid, $C_5H_8O_3N_6$.
Melilotic acid, $C_9H_{10}O_3$.
Melilotol, $C_9H_8O_2$.
Melilotic coumarin, $C_{18}H_{16}O_5$.
Melissene, $C_{30}H_{60}$.
Melissic acid, $C_{30}H_{60}O_2$.
Melitose, $C_{12}H_{22}O_{11}$.
Mellitic acid, $C_{12}H_6O_{12}$.
Mellone, $C_6H_3N_9$.
Mellonhydride, $C_9H_3N_{13}$.
Mellophanic acid, $C_{10}H_6O_8$.
Melolonthin, $C_5H_{12}O_3SN_2$.

Menaphoximide, $C_{23}H_{15}O_2N_3$.
Menaphthylamine, $C_{11}H_{11}N$.
Menispermine, $C_9H_{12}ON$; $C_{18}H_{24}O_2N_2$.
Menthene, $C_{10}H_{18}$.
Menthol, $C_{10}H_{20}O$.
Menthone, $C_{10}H_{18}O$.
Menthyl alcohol, $C_{10}H_{20}O$.
Menyanthin, $C_{22}H_{36}O_{11}$.
Menyanthol, C_8H_8O.
Mercaptane, C_2H_6S.
Mesaconic acid, $C_5H_6O_4$.
Mesamalic acid, $C_5H_8O_5$.
Mesidic acid, $C_9H_8O_4$.
Mesidine, $C_9H_{13}N$.
Mesitene, $C_6H_{24}O_3$(?).
Mesitol, $C_9H_{12}O$.
Mesitonic acid, $C_7H_{12}O_3$.
Mesityl alcohol, $C_9H_{12}O$.
Mesitylene, C_9H_{12}.
Mesitylenic acid, $C_9H_{10}O_2$.
Mesitylene quinhydrone, $C_{27}H_{32}O_6$.
Mesityl oxide, $C_6H_{10}O$; $C_{12}H_{22}O$.
Mesityloxime, $C_6H_{11}ON$.
Mesitylic acid, $C_8H_{13}O_3N$.
Mesocamphoric acid, $C_{10}H_{18}O_4$.
Mesorcinol, $C_9H_{12}O_2$.
Mesoxalic acid, $C_3H_4O_6$.
Mesotartaric acid, $C_4H_6O_6$.
Metacamphretic acid, $C_{10}H_{10}O_5$.
Metacetone, $C_6H_{10}O$.
Metacopaibic acid, $C_{22}H_{34}O_4$.
Metadehydracetic acid, $C_{14}H_{14}O_7$.
Metaldehyde, $C_4H_8O_2$.
Metanapththalene, $C_{45}H_{72}$.
Metaphloretin, $C_{33}H_{32}O_{14}$.
Metapurpuric acid, $C_7H_5O_4N_3$.
Metatemplene, $C_{15}H_{24}$.
Metaterebenthene, $C_{20}H_{32}$; $C_{20}H_{32}O$.
Metatropine, $C_{18}H_{15}ON$.
Metaustraterebenthene, $(C_{10}H_{16})_n$.
Meteceric acid, $C_xH_yO_z$.
Methacrylic acid, $C_4H_6O_2$.
Methane, CH_4.
Methazonic acid, $C_2H_4O_3N_2$.
Methintricarboxylic acid, $C_4H_4O_6$.
Methylal, $C_3H_8O_2$.
Methyl alcohol, CH_4O.
Methylazaurolic acid, CH_2ON_2.
Methylchloracetol, $C_3H_6Cl_2$.
Methylcodethylene, $C_aH_bO_cN_d$.
Methylenecaffeïc acid, $C_{10}H_8O_4$.
Methylenediphenylene, $C_{13}H_{10}$.
Methylenediquinoïl, $C_{19}H_{14}N_2$.
Methylenehomocaffeïc acid, $C_{11}H_{10}O_4$.
Methylenenitane, $C_7H_{14}O_6$.
Methylene white, $C_{32}H_{40}S_2N_6$.
Methylethylpinacone, $C_8H_{18}O_2$.
Methylisatoïd, $C_{17}H_{12}O_4N_2$.
Methylketole, C_9H_8N.
Methylleucaurine, $C_{20}H_{18}O_3$.
Methylnitrolic acid, $CH_2O_3N_2$.
Methylphosphinic acid, CH_5O_3P.

Milk sugar, $C_{12}H_{22}O_{11}$.
Morin, $C_{12}H_{10}O_6$.
Morindin, $C_{14}H_8O_3$.
Morinic acid, $C_{12}H_{10}O_6$.
Morintannic acid, $C_{13}H_{10}O_6$.
Morphine, $C_{17}H_{19}O_3N$.
Morphothebaïne, $C_{17}H_{17}O_3N$.
Moschatine, $C_{21}H_{27}O_7N$.
Mucic acid, $C_6H_{10}O_8$.
Mucobromic acid, $C_4H_2Br_2O_3$.
Muconic acid, $C_6H_6O_4$.
Munjistin, $C_{15}H_8O_6$.
Murexan, $C_4H_5O_3N_3$.
Murexide, $C_8H_5O_6N_5$.
Murexoïn, $C_{12}H_{16}O_6N_6$.
Murrayetin, $C_{12}H_{12}O_5$; $C_{24}H_{24}O_{10}$.
Murrayin, $C_{18}H_{22}O_{10}$.
Muscarin, $C_5H_{15}O_3N$.
Mustard oil, C_4H_5SN.
Mycomelinic acid, $C_4H_4O_2N_4$.
Mycoproteïn, $C_{25}H_{42}O_9N_9$.
Mycose, $C_{12}H_{22}O_{11}$.
Myricin, $C_{46}H_{92}O_2$.
Myricyl alcohol, $C_{30}H_{62}O$.
Myristic acid, $C_{14}H_{28}O_2$.
Myristicin, $C_{10}H_{20}O_3$.
Myristicol, $C_{10}H_{16}O$.
Myristin, $C_{45}H_{86}O_6$.
Myristolic acid, $C_{14}H_{24}O_2$.
Myristone, $C_{27}H_{54}O$.
Myristoxime, $C_{27}H_{55}ON$.
Myronic acid, $C_{10}H_{19}O_{10}S_2N$.
Myroxocarpin, $C_{24}H_{34}O_3$; $C_{48}H_{70}O_6$.

Naphartannic acid, $C_{56}H_{56}O_{37}$.
Naphthacoumaric acid, $C_{13}H_{10}O_3$.
Naphthacoumarin, $C_{13}H_8O_2$.
Naphthalene, $C_{10}H_8$.
Naphthaleosin, $C_{24}H_{10}Br_4O_5$.
Naphthalic acid, $C_{12}H_8O_4$.
Naphthazarin, $C_{10}H_6O_4$.
Naphthene alcohol, $C_{10}H_{12}O_4$.
Naphthesic acid, $C_{10}H_6O_4$.
Naphthocyaminic acid, $C_{28}H_{18}O_9N_8$.
Naphthoic acid, $C_{11}H_8O_2$.
Naphthol, $C_{10}H_8O$.
Naphtholdiquinone, $C_{10}H_4O_4$.
Naphtholphthaleïn, $C_{28}H_{16}O_3$.
Naphthoquinhydron, $C_{20}H_{14}O_4$.
Naphthoquinol, $C_{10}H_8O_2$.
Naphthoquinoline, $C_{13}H_9N$; $C_{39}H_{27}N_3$.
Naphthoquinone, $C_{10}H_6O_2$.
Naphthoquinonechlorimide, $C_{20}H_{10}ClO_3N$.
Naphthoxalic acid, $C_{10}H_8O_6$.
Narceïne, $C_{23}H_{29}O_9N$.
Narcotine, $C_{22}H_{23}O_7N$.
Naringin, $C_{23}H_{26}O_{12}$.
Nartine, $C_{20}H_{16}O_6N_2$.
Nartinic acid, $C_{20}H_{16}O_6N_2$.
Natoloïn, $C_{25}H_{28}O_{11}$; $C_{31}H_{38}O_{15}$.
Neurin, $C_5H_{13}ON$.

Neurostearic acid, $C_{18}H_{36}O_2$.
Ngai borneol, $C_{10}H_{18}O$.
Ngai camphor, $C_{10}H_{18}O$.
Nicotic acid, $C_6H_5O_2N$.
Nicotine, $C_{10}H_{14}N_2$.
Nigrosine, $C_{36}H_{27}N_3$.
Nithialin, $C_{12}H_{16}OSN_4$.
Nitranilic acid, $C_6H_2O_8N_2$.
Nitrocarbole, CH_3O_2N.
Nitroform, CHO_6N_3.
Nitroglycerin, $C_3H_5O_9N_3$.
Nonane, C_9H_{20}.
Nonine, C_9H_{16}.
Nonodecane, $C_{19}H_{40}$.
Nonodilactone, $C_{10}H_{12}O_4$.
Nonyldecoxylcarbamide, $C_{20}H_{40}O_2N_2$.
Nonylene, C_9H_{18}.
Nonylic acid, $C_9H_{18}O_2$.
Nornarcotine, $C_{19}H_{17}O_7N$.
Noropianic acid, $C_8H_6O_5$.
Nucin, $C_{18}H_{12}O_5$.
Nucleïn, $C_{29}H_{49}O_{22}N_9P_3$.
Nupharin, $C_{18}H_{24}O_2N_2$.
Nupharphlobaphen, $C_{56}H_{60}O_{35}$.
Nymphœaphlobaphen, $C_{56}H_{48}O_{36}$.
Nymphœatannic acid, $C_{56}H_{58}O_{38}$.

Octane, C_8H_{18}.
Octine, C_8H_{14}.
Octocosane, $C_{28}H_{58}$.
Octodecane, $C_{18}H_{38}$.
Octodecene, $C_{18}H_{36}$.
Octodecylidene, $C_{18}H_{34}$.
Octooxybenzoïd, $C_{56}H_{34}O_{17}$.
Octylene, C_8H_{16}.
Œnanthodiureïde, $C_9H_{20}O_2N_4$.
Œnanthohexureïde, $C_{41}H_{84}O_6N_{12}$.
Œnanthol, $C_7H_{14}O$.
Œnanthone, $C_{13}H_{26}O$.
Œnanthotetrureïde, $C_{25}H_{52}O_4N_8$.
Œnanthothialdin, $C_{21}H_{43}S_2N$.
Œnanthylic acid, $C_7H_{14}O_2$.
Œnanthylidene, C_7H_{12}.
Œnanthylidenebenzidin, $C_{26}H_{36}N_2$.
Œnanthylidenedibenzamide, $C_{33}H_{34}O_2N_2$.
Œnoglucinol, $C_6H_6O_3$.
Œnolin, $C_{20}H_{20}O_5$.
Oleandrine, $C_aH_bO_cN_d$.
Oleïc acid, $C_{18}H_{34}O_2$.
Oleïn, $C_{57}H_{104}O_6$.
Olibene, $C_{10}H_{16}$.
Olivil, $C_{14}H_{18}O_5$.
Onocerin, $C_{12}H_{20}O$.
Ononetin, $C_{23}H_{22}O_6$; $C_{48}H_{44}O_{13}$.
Ononin, $C_{30}H_{34}O_{13}$; $C_{62}H_{68}O_{27}$.
Onospin, $C_{29}H_{34}O_{12}$; $C_{60}H_{68}O_{25}$.
Ophelic acid, $C_{13}H_{20}O_{10}$.
Opiammon, $C_{20}H_{19}O_8N$.
Opianic acid, $C_{10}H_{10}O_5$.
Opianine, $C_{22}H_{23}O_7N$.
Opinic acid, $C_9H_6O_5$; $C_{14}H_{10}O_8$.
Opionine, $C_{22}H_{23}O_7N$.

Opoponax resin, $C_{20}H_{24}O_7$.
Orcacetophenone, $C_9H_{10}O_3$.
Orceïn, $C_7H_7O_3N$.
Orcendialdehyde, $C_9H_8O_4$.
Orcinol, $C_7H_8O_2$.
β-Orcinol, $C_8H_{10}O_2$.
Orcinaurin, $C_{22}H_{18}O_5$.
Orcinphthaleïn, $C_{22}H_{16}O_5$.
Orcinphthalin, $C_{22}H_{18}O_4$.
Orcylaldehyde, $C_8H_8O_3$.
Orcyldiglycollic acid, $C_{11}H_{12}O_6$.
Ornithin, $C_5H_{12}O_2N_2$.
Ornithuric acid, $C_{19}H_{20}O_4N_2$.
Oroselone, $C_{14}H_{12}O_4$.
Orsellinic acid, $C_8H_8O_4$.
Ostruthin, $(C_{14}H_{17}O_2)_n$.
Otobite, $C_{24}H_{26}O_5$.
Oxaceteïn, $C_{18}H_{18}O_4$.
Oxalantin, $C_6H_6O_6N_4$.
Oxaleïn, $C_{20}H_{12}O_6$.
Oxalethyline, $C_6H_{10}N_2$.
Oxalic acid, $C_2H_2O_4$.
Oxalmethyline, $C_4H_6N_2$.
Oxalylnaphthalide, $C_{22}H_{16}ON_2$.
Oxalylthiosinamin, $C_6H_6O_2SN_2$.
Oxamethane, $C_4H_7O_3N$.
Oxamic acid, $C_2H_3O_3N$.
Oxamide, $C_2H_4O_2N_2$.
Oxamoïdin, $C_{14}H_{23}O_{10}N_{11}$.
Oxatolylic acid, $C_{16}H_{16}O_3$.
Oxindole, C_8H_7ON ; $C_{16}H_{14}O_2N_2$.
Oxoctenol, $C_8H_{16}O_2$.
Oxonic acid, $C_4H_5O_4N_3$.
Oxyacanthine, $C_{16}H_{23}O_6N$; $C_{32}H_{46}O_{11}N_2$.
Oxybenzuric acid, $C_9H_9O_4N$.
Oxycannabin, $C_5H_8O_2$; $C_{20}H_{20}O_7N_2$.
Oxycellulose, $C_{18}H_{26}O_{16}$.
Oxyconiceïne, $C_8H_{15}ON$.
Oxycyclopin, $C_{25}H_{30}O_{16}$.
Oxydimorphine, $C_{34}H_{36}O_6N_2$.
Oxyguanine, $C_{10}H_{14}O_9N_8$.
Oxyheptinic acid, $C_{21}H_{32}O_7$.
Oxyhexic acid, $C_{18}H_{26}O_{10}$.
Oxyidrialin, $C_{80}H_{46}O_{10}$.
Oxylepidenic acid, $C_{28}H_{22}O_3$.
Oxypentaldin, $C_{10}H_{15}ON$.
Oxypentic acid, $C_{15}H_{20}O_{10}$.
Oxypeucedanin, $C_{14}H_{22}O_7$.
Oxypurpurogallin, $C_{20}H_{12}O_{10}$.
Oxysulphobenzide, $C_{12}H_{10}O_4S$.
Oxytetric acid, $C_{12}H_{14}O_{10}$.
Oxytolic acid, $C_7H_6O_3$.
Oxytolidene, $C_{14}H_{10}O_2$.

Pachymose, $C_{10}H_{24}O_{14}$.
Palmitic acid, $C_{16}H_{32}O_2$.
Palmitin, $C_{51}H_{98}O_6$.
Palmitolic acid, $C_{16}H_{28}O_2$.
Palmitone, $C_{31}H_{62}O$.
Palmitoxylic acid, $C_{18}H_{28}O_4$.
Panacone, $C_{19}H_{30}O_7$.
Panaquilone, $C_{20}H_{42}O_{15}$.

Papaveric acid, $C_{16}H_{13}O_7N$.
Papaverine, $C_{21}H_{21}O_4N$.
Parabuxin, $C_{26}H_{48}ON_2$.
Parabanic acid, $C_3H_2O_3N_2$.
Paracajeputene, $C_{20}H_{32}$.
α-Paracatol, $C_{15}H_{24}O$.
β-Paracatol, $C_{28}H_{40}O_2$.
γ-Paracatol, $C_{28}H_{40}O_2$.
Paraconic acid, $C_5H_6O_4$.
Paracopaiba oil, $C_{15}H_{24}$.
α-Paracotene, $C_{12}H_{18}$; $C_{45}H_{72}$.
β-Paracotene, $C_{11}H_{18}$; $C_{45}H_{72}$.
Paracotoic acid, $C_{19}H_{14}O_7$.
Paracotoïn, $C_{19}H_{12}O_6$.
Paracoumarhydrin, $C_9H_8O_3$.
Paradiconiine, $C_{16}H_{27}N$.
Paradigitalin, $C_{22}H_{34}O_7$.
Paraffinicacid, $C_{24}H_{48}O_2$; $C_{13}H_{26}O_5N$.
Paraglobularetin, $C_{12}H_{16}O_4$.
Parahydrazotoluene, $C_{28}H_{30}N_4$.
Paraldehyde, $C_6H_{12}O_3$.
Paraldol, $(C_4H_8O_2)_n$; $C_8H_{16}O_4$.
Param, CH_2N_2.
Paramorin, $C_{12}H_8O_5$.
Paramylene, $C_{10}H_{20}$.
Paramylum, $C_6H_{10}O_5$.
Paranicene, $C_{10}H_{12}$.
Paraniline, $C_{12}H_{14}N_2$.
Paraoxylophine, $C_{21}H_{18}ON_2$.
Parapectin, $C_{32}H_{48}O_{32}$.
Parapectic acid, $C_{24}H_{34}O_{23}$.
Parapeptone, $C_{144}H_{224}O_{24}SN_{36}$.
Parapicoline, C_6H_7N; $C_{12}H_{14}N_2$.
Parasaffranine, $C_{20}H_{18}N_4$.
Parasalicyl, $C_{14}H_{10}O_3$.
Paraxanthine, $C_{15}H_{17}O_4N_9$.
Parazotoluene, $(C_7H_7N)_n$.
Parellic acid, $C_9H_6O_4$.
Paricine, $C_{16}H_{18}ON_2$.
Paridin, $C_{16}H_{28}O_7$.
Paridol, $C_{26}H_{46}O_2$.
Parigenin, $C_{28}H_{42}O_4$.
Pariglin, $C_{18}H_{30}O_6$.
Parillin, $C_{40}H_{70}O_{19}$.
Paristyphnin, $C_{38}H_{64}O_{18}$.
Parsley camphor, $C_{12}H_{14}O_4$.
Parvoline, $C_9H_{13}N$.
Patchouli camphor, $C_{15}H_{26}O$; $C_{15}H_{28}O$.
Patchoulin, $C_{15}H_{24}$.
Patellaric acid, $C_{17}H_{20}O_{10}$.
Paviin, $C_{16}H_{13}O_{10}$.
Paytamin, $C_{21}H_{24}ON_2$.
Paytin, $C_{21}H_{24}O_2N_2$.
Pectic acid, $C_{14}H_{20}O_{13}$; $C_{16}H_{22}O_{15}$.
Pectin, $C_6H_8O_5$; $C_9H_{14}O_8$; $C_{28}H_{42}O_{24}$; $C_{32}H_{48}O_{32}$.
Pectin sugar, $C_6H_{12}O_6$.
Pectolactinic acid, $C_8H_8O_6$.
Pectosinic acid, $C_{32}H_{46}O_{31}$.
Pelargonic acid, $C_9H_{18}O_2$.
Pelletierine, $C_8H_{15}ON$.
Pellutein, $C_{18}H_{19}O_3N$.
Pelosin, $C_{18}H_{21}O_3N$.
Pentadecanaphthene, $C_{15}H_{30}$.
Pentadecane, $C_{15}H_{32}$.
Pentadecine, $C_{15}H_{28}$.
Pentadecylic acid, $C_{15}H_{30}O_2$.
Pentahiroline, $C_{13}H_{15}N$.
Pentane, C_5H_{12}.
Pentatriacontane, $C_{35}H_{72}$.
Pentethyleneglycol, $C_{10}H_{22}O_6$.
Pentic acid, $C_{15}H_{20}O_7$.
Pentine, $(C_5H_8)_n$.
Peppermint camphor, $C_{10}H_{20}O$.
Perchlormesol, C_4Cl_6.
Perchlormecylene, C_6Cl_8.
Pereirine, $C_{19}H_{24}ON_2$.
Perezonoxime, $C_{15}H_{21}O_3N$.
Petinine, $C_4H_{11}N$.
Petrocene, $C_{45}H_{72}$.
Petrocin, $(C_{12}H_8)_n$.
Petrolene, $C_{15}H_{24}$.
Petroleum acid, $C_{11}H_{20}O_2$.
Peucedanin, $C_{12}H_{12}O_3$; $C_{16}H_{16}O_4$; $C_{24}H_{24}O_6$.
Phellanthrene, $C_{10}H_{16}$.
Phellyl alcohol, $C_{17}H_{28}O$.
Phenanthrene, $C_{14}H_{10}$.
Phenanthrenebenzalquin, $C_{35}H_{24}O$.
Phenanthrene quinacetone, $C_{17}H_{14}O_3$.
Phenanthrene quinhydrone, $C_{28}H_{18}O_4$.
Phenanthrenequinimidacetone, $C_{17}H_{15}O_2N$.
Phenanthrenesulpheïnresorcinol, $C_{26}H_{16}O_7S_2$.
Phenanthrol, $C_{14}H_{10}O$.
Phenanthroline, $C_{12}H_8N_2$.
Phenanthrone, $C_{14}H_{10}O$.
Phenenyltribenzoic acid, $C_{27}H_{18}O_6$.
Phenetoïl, $C_9H_{10}O$.
Phenocyanin, C_8H_5ON.
Phenoic acid, $C_8H_4O_2$.
Phenol, C_6H_6O.
Phenolcorallin, $C_{20}H_{16}O_4$.
Phenolglucinol, $C_6H_6O_3$.
Phenolglucoside, $C_{12}H_{16}O_6$.
Phenolphthaleïn, $C_{20}H_{14}O_4$.
Phenolphthalideïn, $C_{20}H_{14}O_4$.
Phenolphthalidin, $C_{20}H_{14}O_3$.
Phenolphthalin, $C_{20}H_{16}O_4$.
Phenolphthalol, $C_{20}H_{18}O_3$.
Phenoquinone, $C_{18}H_{14}O_4$.
Phenosaffranine, $C_{18}H_{18}N_4$.
Phenose, $C_6H_{12}O_6$.
Phenacetotropeïne, $C_{18}H_{21}O_2N$.
Phenylanisaldehydine, $C_{22}H_{20}O_2N_2$.
Phenylarabinosazone, $C_{18}H_{22}O_4N_4$.
Phenylazonitrolic acid, $C_{12}H_{10}ON_3$.
Phenylbenzaldehydine, $C_{20}H_{16}N_2$.
Phenylcarbamidol, $C_{19}H_{19}ON_3$.
Phenylfurfurazide, $C_{11}H_{10}ON_2$.
Phenylgalactosazone, $C_{18}H_{22}O_4N_4$.
Phenylglucosazone, $C_{18}H_{22}O_4N_2$.
Phenyllactosazone, $C_{24}H_{32}O_9N_4$.
Phenylmaltosazone, $C_{24}H_{32}O_9N_4$.
Phenylsemicarbazide, $C_7H_9ON_3$.
Phenylthiocarbizine, $C_7H_8SN_2$.
Phenyltolylpinacone, $C_{28}H_{26}O_2$.
Phenylensaffranine, $C_{18}H_{14}N_4$.
Phillygenin, $C_{21}H_{24}O_6$.
Phillyrin, $C_{27}H_{34}O_{11}$.
Phloramine, $C_6H_7O_2N$.
Phloreïn, $C_{15}H_{11}O_7N$.
Phloretic acid, $C_9H_{10}O_3$.
Phloretin, $C_{15}H_{14}O_5$.
Phloretol, $C_8H_{10}O$.
Phlorizeïn, $C_{21}H_{30}O_{13}N_2$.
Phlorizin, $C_{21}H_{24}O_{10}$.
Phlorizinanilide, $C_{33}H_{34}O_9N_2$.
Phlorobromin, C_6HBr_9O.
Phloroglucide, $C_{12}H_{10}O_5$; $C_{33}H_{32}O_{14}$.
Phloroglucinol, $C_6H_6O_3$.
Phloroglucinphthaleïn, $C_{20}H_{12}O_7$.
Phloroglucinphthalin, $C_{20}H_{14}O_7$.
Phloroglucinvanilleïn, $C_{20}H_{19}O_8$.
Phlorol, $C_8H_{10}O$.
Phlorone, $C_8H_8O_2$.
Phlorose, $C_6H_{12}O_6$.
Phorone, $C_9H_{14}O$.
Phoronic acid, $C_9H_{16}O_2$; $C_{11}H_{19}O_5$.
Phoronoxime, $C_9H_{15}ON$.
Phosene, $C_{14}H_{10}$.
Phosgene, CCl_2O.
Phosphenylic acid, $C_8H_7O_3P$.
Phosphobenzene, $C_{12}H_{10}P_2$.
Photosantonic acid, $C_{15}H_{20}O_4$.
Photosantonin, $C_{11}H_{14}O_3$.
Phrenosin, $C_{41}H_{81}O_8N$.
Phthalacene oxide, $C_{21}H_{14}O$.
Phthalamidothiophenol, $C_{20}H_{12}S_2N_2$.
Phthal green, $C_{24}H_{24}O_2N_2$.
Phthalic acid, $C_8H_6O_4$.
Phthalidanil, $C_{14}H_{11}ON$.
Phthalidanilide, $C_{20}H_{14}ON_2$.
Phthalidchloride, $C_8H_4OCl_4$.
Phthalidine, C_8H_9N; C_8H_7ON.
Phthalophenone, $C_{20}H_{14}O_2$.
Phthalureïde, $C_9H_8O_3N_2$.
Phthaluric acid, $C_9H_8O_4N_2$.
Phthalylhydroxylamine, $C_8H_5O_3N$.
Phthalylpinacone, $C_{16}H_{13}O_4$.
Phthalylpiperidine, $C_{18}H_{24}O_2N_2$.
Phthalyltropeïne, $C_{24}H_{32}O_4N_2$.
Phycic acid, $C_xH_yO_z$.
Phyllœscitannin, $C_{26}H_{24}O_{13}$.
Phyllic acid, $C_{38}H_{84}O_3$.
Phylloretin, C_8H_{10}.
Physalin, $C_{14}H_{16}O_5$.
Physetolic acid, $C_{16}H_{30}O_2$.
Physodeïn, $C_{10}H_8O_6$.
Physodin, $C_{10}H_{10}O_7$; $C_{12}H_{12}O_8$.
Physostigmin, $C_{15}H_{21}O_2N_3$.
Phytosterin, $C_{26}H_{44}O$.
Picamar, $C_{10}H_{14}O_3$.
Picene, $C_{22}H_{14}$.
Picoerythrin, $C_{13}H_{16}O_6$.
Picoline, C_6H_7N.
Picolinic acid, $C_6H_5O_2N$.
Picraconine, $C_{24}H_{41}O_9N$.
Picramic acid, $C_6H_5O_5N_3$.
Picramide, $C_6H_4O_6N_4$.
Picric acid, $C_6H_3O_7N_3$.
Picroaconitine, $C_{31}H_{45}O_{10}N$.
Picroerythrin, $C_{12}H_{16}O_7$.
β-Picroerythrin, $C_{13}H_8O_6$.
Picrolichenin, $C_{12}H_{20}O_6$.
Picrorocellin, $C_{27}H_{29}O_5N_3$.
Picrotin, $C_{15}H_{16}O_7$; $C_{21}H_{24}O_{10}$; $C_{25}H_{30}O_{12}$.
Picrotoxide, $C_{15}H_{16}O_8$; $C_{27}H_{28}O_{11}$.
Picrotoxin, $C_9H_{10}O_4$; $C_{12}H_{14}O_5$; $C_{15}H_{16}O_6$; $C_{30}H_{34}O_{13}$; $C_{36}H_{40}O_{16}$.
Picrotoxinin, $C_{16}H_{18}O_7$.
Picrylamine, $C_{12}H_6O_{12}N_7$.
Pilocarpene, $C_{10}H_{16}$.
Pilocarpin, $C_{11}H_{16}O_2N_2$.
Pimaric acid, $C_{20}H_{30}O_2$.
Pimelic acid, $C_7H_{12}O_4$.
Pimento oil, $C_{45}H_{72}$.
Pinacolin, $C_{12}H_{26}O_2$.
Pinacone, $C_8H_{14}O_2$.
Pinipicrin, $C_{22}H_{36}O_{11}$.
Pinite, $C_6H_{12}O_5$.
Pennitanic acid, $C_7H_8O_4$.
Piperethylalkamine, $C_7H_{15}ON$.
Piperhydronic acid, $C_{12}H_{14}O_4$.
Piperic acid, $C_{12}H_{10}O_4$.
Piperidine, $C_5H_{11}N$.
Piperidinic acid, $C_4H_9O_2N$.
Piperine, $C_{17}H_{19}O_3N$.
Piperonal, $C_8H_6O_3$.
Piperonyl alcohol, $C_8H_8O_3$.
Piperonylic acid, $C_8H_6O_4$.
Piperylene, C_5H_8.
Piperylhydrazine, $C_5H_{12}N_2$.
Piperylsemicarbazide, $C_6H_{13}ON_3$.
Pipitzahoïnic acid, $C_{15}H_{20}O_3$.
Pirylene, C_5H_6.
Piscidine, $C_{29}H_{24}C_8$.
Plumieric acid, $C_{10}H_{10}O_5$.
Podocarpic acid, $C_{17}H_{22}O_3$.
Podophylloquercetin, $C_xH_yO_z$.
Pœonin, C_5H_4O.
Poley oil, $C_{10}H_{16}O$.
Polyasparagincarbamide, $C_{34}H_{40}O_{25}N_{10}$.
Polychroïte, $C_{48}H_{68}O_{18}$.
Polydehydroazotoluene, $C_{28}H_{26}N_4$.
Polyethylene, $C_{16}H_{32}$.
Polyfurfurol, $(C_5H_4O)_n$.
Polyporic acid, $(C_9H_7O_2)_n$; $C_{18}H_{14}O_4$.
Polystyrolene, $(CH)_n$.
Polythymoquinone, $(C_{10}H_{12}O_2)_n$.
Populin, $C_{20}H_{22}O_8$.
Porphyrine, $C_{21}H_{25}O_2N_3$.
Prehnitic acid, $C_{10}H_6O_8$.
Prehnomalic acid, $C_{10}H_8O_9$.
Primula camphor, $C_{11}H_{12}O_5$; $C_{22}H_{24}O_{10}$.
Propane, C_3H_8.
Propargylic acid, $C_3H_2O_2$.

α- Salylic acid, $C_{14}H_{14}O_5$.
β- „ „ $C_{21}H_{22}O_8$.
Samandarin, $C_{34}H_{60}O_5N_2$.
Sanguinarin, $C_{17}H_{15}O_4N$.
Santal, $C_8H_6O_3$.
Santalic acid, $C_{15}H_{14}O_5$.
Santalin, $C_{15}H_{14}O_5$; $C_{17}H_{16}O_5$.
Santalol, $C_{15}H_{26}O$.
Santanal, $C_{16}H_{24}O$.
Santanol, $C_{15}H_{18}O$.
Santonic acid, $C_{15}H_{20}O_4$.
Santonide, $C_{15}H_{18}O_3$.
Santonin, $C_{15}H_{18}O_3$.
Santonous acid, $C_{15}H_{20}O_3$.
Sapogenin, $C_{14}H_{22}O_2$.
Saponin, $C_{32}H_{54}O_{18}$.
Sappanin, $C_{12}H_{10}O_4$.
Sarcine, $C_5H_4ON_4$.
Sarcosine, $C_3H_7O_2N$.
Scheelite $(CH_4)_n$.
Scoparin, $C_{21}H_{22}O_{10}$.
Scyllite, $C_6H_{12}O_6$.
Sebacic acid, $C_{10}H_{18}O_4$.
Sebacin, $C_{10}H_{18}$; $C_{16}H_{30}O_8$.
Semiglutin, $C_{55}H_{85}O_{22}N_{17}$.
Senegin, $C_{32}H_{54}O_{18}$.
Sequoiene, $C_{10}H_{18}$; $C_{13}H_{10}$.
Sericic acid, $C_{15}H_{30}O_7N_4$.
Sericine, $C_{15}H_{25}O_8N_5$.
Serin, $C_3H_7O_3N$.
Sesquiterebene, $C_{15}H_{22}$.
Sesquiterpene, $C_{15}H_{24}$.
Sikimine, B., 14, 1721 ; m.p. 175.
Sinalbin, $C_{30}H_{44}O_{16}S_2N_2$.
Sinamine, $C_4H_6N_2$.
Sinapic acid, $C_{11}H_{12}O_5$.
Sinapin, $C_{16}H_{23}O_5N$.
Sincalin, $C_5H_{15}O_2N$.
Sinistrin, $C_6H_{10}O_5$.
Skatole, C_9H_9N.
Smilacin, $C_{18}H_{30}O_6$.
Socotrinaloïn, $C_{15}H_{16}O_7$.
Solanicine, $C_{26}H_{39}ON$.
Solanidine, $C_{26}H_{41}O_2N$.
Solanine, $C_{42}H_{75}O_{15}N$.
Sorbic acid, $C_6H_8O_2$.
Sorbin, $C_6H_{12}O_6$.
Sorbite, $C_6H_{14}O_6$; $C_{12}H_{80}O_{13}$.
Sordidin, $C_{13}H_{10}O_9$; $C_{16}H_{18}O_7$.
Sparteïne, $C_{15}H_{26}N_2$.
Spermine, C_2H_5N.
Sphingosin, $C_{17}H_{35}O_2N$.
Starch, $(C_6H_{10}O_5)_n$.
Staphisagrin, $C_{22}H_{83}O_5N$.
Stearic acid, $C_{18}H_{36}O_2$.
Stearidic acid, $C_{18}H_{34}O_2$.
Stearin, $C_{57}H_{110}O_6$.
Stearcutic acid, $C_{23}H_{48}O_4$.
Stearolic acid, $C_{18}H_{32}O_2$.
Stearone, $C_{35}H_{70}O$.
Stearoptene, $C_{10}H_{14}O$; $C_{28}H_{30}O_5$.
Stearoxylic acid, $C_{18}H_{32}O_4$.
Steraoptene, $C_{45}H_{72}$.

Stilbene, $C_{14}H_{12}$.
Stilbous acid, $C_{15}H_{12}O_3$.
Storesin, $C_{36}H_{58}O_3$.
Strychnine, $C_{21}H_{22}O_2N_2$.
Stryphnic acid, $C_4H_3O_2N_5$.
Stycerin, $C_9H_{12}O_3$.
Styphnic acid, $C_6H_3O_8N_3$.
Styracin, $C_{18}H_{16}O_2$.
Styrene, C_8H_8.
Styrogenin, $C_{26}H_{40}O_3$.
Styrolene, C_8H_8.
Styrolene alcohol, $C_8H_{10}O_2$.
Styrolene pinacolin, C_8H_8O.
Styrone, $C_9H_{10}O$.
Suberancarboxylic acid, $C_8H_{14}O_2$.
Suberconic acid, $C_8H_{12}O_4$.
Suberencarboxylic acid, $C_8H_{12}O_2$.
Suberic acid, $C_8H_{14}O_4$.
Suberocarboxylic acid, $C_9H_{14}O_6$.
Suberomalic acid, $C_8H_{14}O_5$.
Suberone, $C_7H_{12}O$; $C_{14}H_{24}O_2$.
Suberotartaric acid, $C_8H_{14}O_6$.
Suberoxime, $C_7H_{13}ON$.
Suberylglycollic acid, $C_8H_{14}O_3$.
Succincyamic acid, $C_5H_6O_3N_2$.
Succinic acid, $C_4H_6O_4$.
Succinimidine, $C_4H_7N_3$.
Succinylfluoresceïn, $C_6H_{12}O_5$.
Succisterene, $C_{15}H_{16}$.
Sulphisantonous acid, $C_8H_7O_4SN$.
Sulphohydroquinone yellow, $C_{12}H_{12}O_4S$.
Sulphohydroquinine brown, $C_{12}H_{10}O_4S_2$.
Sulphuvinuric acid, $C_4H_4O_2SN_2$.
Sulphonediacetic acid, $C_4H_6O_6S$.
Sycoceryl alcohol, $C_{18}H_{30}O$.
Sylvan, C_6H_6O.
Sylvestrene, $C_{10}H_{16}$.
Sylvic acid, $C_{20}H_{30}O_2$.
Sylvinolic acid, $C_{26}H_{36}O_4$.
Synanthrene, $C_{14}H_{10}$.
Synanthrose (Levulan), $C_6H_{10}O_6$.
Syntonin, $C_{144}H_{224}O_{24}SN_{36}$.
Syringenin, $C_{13}H_{18}O_5$.
Syringin, $C_{19}H_{28}O_{10}$.

Taiguic acid, C_4H_4O.
Tampicin, $C_{34}H_{64}O_{14}$.
Tampicinic acid, $C_{34}H_{60}O_{17}$.
Tampicolic acid, $C_{16}H_{32}O_3$.
Tanacetylhydride, $C_{10}H_{16}O$.
Tannic acid, $C_{20}H_{20}O_9$.
Tannin, $C_{14}H_{10}O_9$.
Tannomelanic acid, $C_6H_4O_3$.
Tannoxylic acid, $C_7H_6O_6$.
Tansol, $C_{10}H_{16}O$.
Tarconic acid, $C_{10}H_7O_3N$.
Tarconin, $C_{11}H_9O_3N$.
Tarconyl alcohol, $C_{50}H_{102}O$; $C_{51}H_{104}O$.
Tarnin, $C_{10}H_9O_3N$; $C_{11}H_9O_4N$.
Tartaric acid, $C_4H_6O_6$.
Tartralic acid, $C_8H_{10}O_{11}$.

Tartrelic acid, $C_4H_4O_5$.
Tartronic acid, $C_3H_4O_5$.
Tartrophthalic acid, $C_8H_{12}O_6$
Taurin, $C_2H_7O_3SN$.
Taurocarbamic acid, $C_3H_8O_4SN_2$.
Taurobetaïn, $C_5H_{13}O_3N$.
Taurochenolic acid, $C_{29}H_{49}O_6SN$.
Taurocholic acid, $C_{26}H_{45}O_7SN$.
Taurocyamine, $C_3H_9O_3SN_3$.
Tauroglycocyamine, $C_3H_9O_3SN_3$.
Taxin, $C_aH_bO_cN_d$.
Tectochrysin, $C_{18}H_{12}O_4$.
Telœscin, $C_{18}H_{30}O_7$.
Tekoretin, $(C_5H_8)_n$.
Templin oil, $C_{10}H_{16}$.
Teracanic acid, $C_7H_{10}O_4$.
Teracrylic acid, $C_7H_{12}O_2$.
Terebanglene, $C_{10}H_{16}$.
Terebene, $C_{10}H_{16}$.
Terebenthene, $C_{10}H_{16}$.
Terebentilic acid, $C_8H_{10}O_2$.
Terebentinic acid, $C_9H_{14}O_5$.
Terebenzic acid, $C_{14}H_{14}O_4$.
Terebic acid, $C_7H_{10}O_4$.
Terebilene, $C_{10}H_{16}$.
Terebilenic acid, $C_7H_8O_4$.
Terebilic acid, $C_8H_8O_4$.
Terecamphene, $C_{10}H_{16}$.
Terechrysinic acid, $C_6H_8O_5$.
Terecuminic acid, $C_{10}H_{12}O_2$.
Terelactone, $C_6H_8O_2$.
Terepentilin, $C_{10}H_{16}$.
Terephthalic acid, $C_8H_6O_4$.
Terpene, $C_{10}H_{16}$.
Terpenylic acid, $C_8H_{12}O_4$; $C_8H_{14}O_5$.
Terpilene, $C_{10}H_{16}$.
Terpine, $C_{10}H_{20}O_2$.
Terpenine, $C_{10}H_{16}$.
Terpinol, $C_{10}H_{18}O$; $C_{20}H_{34}O$.
Terpinylene, $C_{10}H_{16}$.
Tetrabutyraldin, $C_{16}H_{29}ON$.
Tetracetylquinide, $C_{15}H_{18}O_9$.
Tetrachlorglycide, $C_3H_4Cl_4$.
Tetracodeïne, $C_{72}H_{84}O_{12}N_4$.
Tetracosane, $C_{24}H_{50}$.
Tetradecanaphthene, $C_{14}H_{28}$.
Tetradecane, $C_{14}H_{30}$.
Tetradecylene, $C_{14}H_{28}$.
Tetradecylidin, $C_{14}H_{26}$.
Tetrahiroline, $C_{12}H_{13}N$.
Tetramorphine, $C_{68}H_{76}O_{12}N_4$.
Tetramylene, $C_{20}H_{40}$.
Tetraphenol, $C_4H_4O_2$.
Tetraphenyltetrazone, $C_{24}H_{20}N_4$.
Tetrapyruvintetraureïde, $C_{16}H_{16}O_8N_8$.
Tetraterebenthene, $C_{40}H_{64}$.
Tetrene urethane, $C_7H_9O_2N$.
Tetric acid, $C_{12}H_{14}O_7$.
Tetrœnanthoxaldin, $C_{28}H_{53}ON$.
Tetrol, C_4H_4O.
Tetrolcarbamide, $C_5H_6ON_2$.
Tetrolcyanuramide, $C_{13}H_{12}N_6$.

Tetroldianil, $C_{16}H_{14}N_2$.
Tetrolditolyl, $C_{18}H_{18}N_2$.
Tetrolic acid, $C_4H_4O_2$.
Tetrolmelamine, $C_{15}H_{12}N_6$.
Tetroxybenzoïde, $C_{28}H_{18}O_{13}$.
Tetrylendicarboxylic acid, $C_6H_8O_4$.
Tetrylintriamine, $C_4H_{11}N_3$.
Teucrin, $C_{21}H_{24}O_{11}$.
Thallin, $C_{10}H_{13}ON$.
Thannonynphœin, $C_{58}H_{52}O_{36}$.
Thapsic acid, $C_{16}H_{30}O_4$.
Thebaïn, $C_{19}H_{21}O_3N$.
Thebenin, $C_{19}H_{21}O_3N$.
Theïn, $C_8H_{10}O_2N_4$.
Theobromine, $C_7H_8O_2N_4$.
Theobromic acid, $C_{64}H_{128}O_2$.
Theveresin, $C_{48}H_{70}O_{17}$.
Thevetin, $C_{54}H_{84}O_{24}$.
Thiacetonin, $C_9H_{19}S_2N$.
Thialdin, $C_6H_{13}S_2N$.
Thiammelin, C_3H_5SN.
Thianilide, $C_{12}H_{12}SN_2$.
Thianissic acid, $C_{10}H_{14}O_4S$.
Thiobenzaldin, $C_{21}H_{19}S_2N$.
Thiochronic acid, $C_6H_4O_{17}S_5$.
Thiodilactylic acid, $C_6H_{10}O_4S$.
Thioisatyde, $C_6H_{12}O_3SN_2$.
Thiolepidin, $C_{28}H_{20}S$.
Thionessal, $C_{28}H_{20}S$.
Thiophene, C_4H_4S.
Thiorufinic acid, $C_{10}H_{14}O_4S_3$.
Thiosinnamin, $C_4H_8SN_2$.
Thiosulphaniline, $C_{24}H_{22}S_3N_4$.
Thionuric acid, $C_4H_5O_6SN_3$.
Thiuramdisulphide, $C_2H_4S_4N_2$.
Thiuramsulphide, $C_2H_4S_3N_2$.
Thujetin, $C_{14}H_{14}O_8$.
Thujetic acid, $C_{28}H_{22}O_{13}$.
Thujigenin, $C_{14}H_{12}O_8$.
Thujin, $C_{20}H_{22}O_{12}$.
Thymene, $C_{10}H_{16}$.
Thymoïl, $C_{12}H_{16}O_2$.
Thymoïlol, $C_{12}H_{18}O_2$.
Thymol, $C_{10}H_{14}O$.
Thymoquinol, $C_{10}H_{14}O_2$.
Thymoquinone, $C_{10}H_{12}O_2$.
Thymotic acid, $C_{11}H_{14}O_3$.
Thymotide, $C_{11}H_{12}O_2$.
Tiglic acid, $C_5H_8O_2$.
Tolane, $C_{14}H_{10}$.
Tolene, $C_{10}H_{16}$.
Tolidine, $C_{14}H_{18}N_2$.
Toluanisaldehydin, $C_{23}H_{22}O_2N_2$.
Tolubenzaldehydin, $C_{21}H_{18}N_2$.
Toluene, C_7H_8.
Tolufurfuraldehydin, $C_{17}H_{14}O_2N_2$.
Toluic acid, $C_8H_8O_2$.
Toluidine, C_7H_9N.
Toluidine black, $C_{35}H_{33}N_5$.
Toluquinhydrone, $C_{21}H_{20}O_6$.
Toluquinine, $C_{27}H_{30}O_2N_2$.
Toluquinol, $C_7H_8O_2$.
Toluquinoline, $C_{10}H_9N$.

Toluquinone, $C_7H_6O_2$.
Toluquinoxaline, $C_9H_8N_2$.
Toluric acid, $C_{10}H_{11}O_3N$.
Toluylene blue, $C_{15}H_{18}N_4$.
Toluylene red, $C_{15}H_{16}N_4$.
Tolylene, C_7H_6.
Tolylene dibromide, $C_8H_8Br_2$.
Tolylene alcohol, $C_8H_{10}O_2$.
Tormentill red, $C_{26}H_{22}O_{11}$.
Trehalose, $C_{12}H_{22}O_{11}$.
Triacetonalkamine, $C_9H_{19}ON$.
Triacetonamine, $C_9H_{17}ON$.
Triacetondiamine, $C_9H_{20}ON_2$.
Triacetylformidil, $C_8H_{11}O_3N_3$.
Triamylene, $C_{15}H_{30}$.
Trianilœsculin, $C_{33}H_{31}O_6N_3$.
Tricarballylic acid, $C_6H_8O_6$.
Trichlorhydrin, $C_3H_5Cl_3$.
Tricodeïne, $C_{54}H_{63}O_9N_3$.
Tricosane, $C_{23}H_{48}$.
Tricumylamine, $C_{30}H_{39}N$.
Tridecane, $C_{13}H_{28}$.
Tridecylene, $C_{13}H_{26}$.
Tridecylic acid, $C_{13}H_{26}O_2$.
Triepinic acid, $C_3H_6O_5$.
Triethylalkamine, $C_6H_{15}ON$.
Triethylin, $C_9H_{20}O_3$.
Trigenic acid, $C_4H_7O_2N_3$.
Triglycerol, $C_9H_{20}O_7$.
Triglycolamidic acid, $C_6H_9O_6N$.
Trihydrocarboxylic acid, $C_{10}H_{10}O_{10}$.
Trimellitic acid, $C_9H_6O_6$.
Trimesic acid, $C_9H_6O_6$.
Trimorphine, $C_{51}H_{67}O_9N_3$.
Trinitropetrol, $C_8H_7O_6N_3$.
Trinkerite, $C_aH_bO_cS_d$.
Triopianide, $C_{30}H_{28}O_{14}$.
Triphloretide, $C_{27}H_{20}O_7$.
Trisulphonediphenylnitric oxide, $C_{36}H_{27}O_7S_3N$.
Trivalerylene, $C_{15}H_{24}$.
Tropic acid, $C_9H_{10}O_3$.
Tropide, $C_9H_8O_2$.
Tropidine, $C_8H_{13}N$.
Tropigenin, $C_7H_{13}ON$.
Tropilene, $C_7H_{10}O$.
Tropilidene, C_7H_8.
Tropinic acid, $C_8H_{13}O_4N$.
Tropine, $C_8H_{15}ON$.
Tulucunin, $C_{10}H_{14}O_4$.
Tunicin, $C_6H_{10}O_5$.
Turmerol, $C_{19}H_{28}O$.
Turpentine, $C_{10}H_{16}$.
Turpethin, $C_{34}H_{56}O_{16}$.
Turpethinic acid, $C_{34}H_{60}O_{18}$.
Turpetholic acid, $C_{16}H_{32}O_4$.
Tyroleucine, $C_7H_{11}O_2N$.
Tyrosine, $C_9H_{11}O_3N$.

Ultraquinine, $C_{19}H_{22}O_2N_2$.
Umbellic acid, $C_9H_{10}O_4$.
Umbelliferone, $C_9H_6O_3$.
Umbelliferonic acid, $C_9H_8O_2$.
Umbellol, $C_8H_{12}O$.
Umbellulic acid, $C_{11}H_{22}O_2$.
Undecane, $C_{11}H_{24}$.
Undecolic acid, $C_{11}H_{18}O_2$.
Undecylene, $C_{11}H_{22}$.
Undeçylenic acid, $C_{11}H_{20}O_2$.
Undecylic acid, $C_{11}H_{22}O_2$.
Uramidobenzoic acid, $C_8H_8O_3N_2$.
Uramil, $C_4H_5O_3N_3$.
Uramilic acid, $C_8H_9O_7N_5$.
Urea, CH_4ON_2.
Urechitin, $C_{28}H_{42}O_8$.
Urechitoxin, $C_{13}H_{20}O_5$.
Urethane, $C_3H_7O_2N$.
Urethanebenzoic acid, $C_{10}H_{11}O_4N$.
Uric acid, $C_5H_4O_3N_4$.
Urinilic acid, $C_8H_7O_6N_7$.
Urobilin, $C_{32}H_{40}O_7N_4$.
Urobrohæmalin, $C_{34}H_{31}O_7N_4Fe$.
Urobutylchloralic acid, $C_{10}H_{15}Cl_3O_7$.
Urocanin, $C_{11}H_{10}ON_4$.
Urocaninic acid, $C_6H_6O_2N_2$; $C_{12}H_{12}O_4N_4$.
Urochloralic acid, $C_8H_{11}Cl_3O_7$.
Urofuscohæmatin, $C_{34}H_{37}O_5N_4$.
Uromelanin, $C_{36}H_{44}O_8N_2$.
Uronitrotoluolic acid, $C_{13}H_{15}O_9N$.
Urosulphinic acid, $C_6H_4O_2SN_2$.
Uroxanic acid, $C_6H_8O_6N_4$.
Ursone, $C_{10}H_{16}O$.
Usneol, $C_{11}H_{12}O_3$.
Usnetic acid, $C_9H_{10}O_3$.
Usnetol, $C_{13}H_{14}O_4$.
Usnic acid, $C_{18}H_{18}O_7$.
Usnolic acid, $C_{27}H_{24}O_{10}$.
Uvic acid, $C_7H_8O_3$.
Uvitic acid, $C_9H_8O_4$.
Uvitonic acid, $C_9H_{14}O_9$.
Uvitoninic acid, $C_8H_7O_4N$.

Valeraldin, $C_{15}H_{31}S_2N$.
Valeric acid, $C_5H_{10}O_2$.
Valeritrine, $C_{15}H_{27}N$.
Valerol, $C_6H_{10}O$.
Valerolactide, $C_5H_8O_2$.
Valerolactone, $C_5H_8O_2$.
Valerone, $C_9H_{18}O$.
Valerylene, C_5H_8.
Validine, $C_{16}H_{21}N$.
Valylene, C_5H_6.
Vanillic acid, $C_8H_8O_4$.
Vanillin, $C_8H_8O_3$.
Veratralbin, $C_{28}H_{43}O_5N$.
Veratric acid, $C_9H_{10}O_4$.
Veratrine, $C_{32}H_{49}O_9N$; $C_{37}H_{53}O_{11}N$.
Veratroidine, $C_{24}H_{37}O_7N$; $C_{51}H_{78}O_{16}N_2$.
Veratrol, $C_8H_{10}O_2$.
Verine, $C_{28}H_{45}O_8N$.
Vertivert oil, $C_{45}H_{72}$.
Vicine, $C_{28}H_{51}O_{21}N_{11}$.
Vinylbromide, C_2H_3Br.
Violaniline, $C_{18}H_{16}N_3$.
Violantin, $C_8H_6O_9N_6$.
Violuric acid, $C_4H_3O_4N_3$.
Viridine, $C_{12}H_{19}N$.
Viscicaoutchin, $C_8H_{16}O$.
Viscin, $C_{10}H_{24}O_4$.
Viscose, $C_6H_{10}O_5$.
Vulpic acid, $C_{19}H_{14}O_5$.

Walchovite, $C_{40}H_{62}O_3$.
Waldivin, $C_{18}H_{24}O_{10}$.

Xanthil, $C_4H_{20}O_3$?
Xanthin, $C_5H_4O_2N_4$.
Xanthogallol, $C_9H_2Br_7O_3$; $C_{18}H_4Br_{14}O_6$.
Xanthoquinic acid, $C_{10}H_7O_3N$.
Xanthorhamnin, $C_{23}H_{28}O_{14}$; $C_{48}H_{66}O_{29}$.
Xanthoroccellin, $C_{21}H_{17}O_2N_2$.
Xanthoxylene, $C_{10}H_{12}O_4$; $C_{10}H_{16}O$.
Xanthurin, $C_4H_8O_2S$.
Xantinin, $C_4H_3O_2N_3$.
Xeronic acid, $C_8H_{12}O_4$.
Xylene, C_8H_{10}.
Xylenol, $C_8H_{10}O$.
Xyletic acid, $C_8H_{10}O_3$.
Xylidine, $C_8H_{11}N$.
Xylic acid, $C_9H_{10}O_2$.
Xylidic acid, $C_9H_8O_4$.
Xylite, $C_xH_yO_z$.
Xylite naphtha, $C_{12}H_{22}O_3$.
Xylite oil, $C_{12}H_{18}O$.
Xylitone, $C_{12}H_{18}O$.
Xyloidin, $C_6H_9O_7N$.
Xyloquinol, $C_8H_{10}O_2$.
Xyloquinone, $C_8H_8O_2$.
Xyloretin, $C_{10}H_{16}O$.
Xylyl alcohol, $C_8H_{10}O$.

Zeorin, $C_{13}H_{22}O$.

HARRISON AND SONS, PRINTERS IN ORDINARY TO HER MAJESTY, ST. MARTIN'S LANE, LONDON.